

AD-A054 492

ARINC RESEARCH CORP ANNAPOLIS MD
DEVELOPMENT OF AIR FORCE FLIGHT SAFETY MODELS. VOLUME 11. C-130--ETC(U)
SEP 76

F/G 1/2

F09603-72-A-1132

UNCLASSIFIED

C54-01-1-1406-VOL-11

NL

1 OF 2
AD
A054492



APSO

Final Report ~~FOR FURTHER TRAN~~
A054491
DEVELOPMENT OF AIR FORCE
FLIGHT SAFETY MODELS

4

Volume II

C-130E

AIRCRAFT

September 1976

RECEIVED
MAY 31 1978
F

Prepared for

SERVICE ENGINEERING DIVISION
SAN ANTONIO AIR LOGISTICS CENTER
Kelly Air Force Base, Texas

Under Contract F09603-72-A-1132-SA01

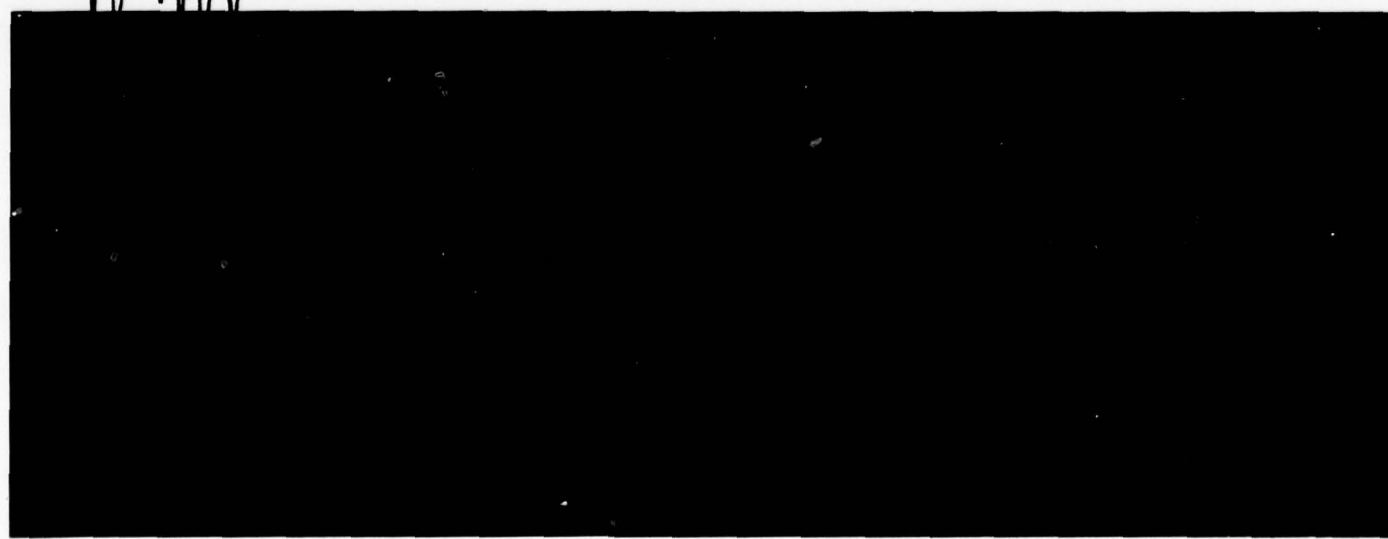
This document has been approved
for public release and sale; its
distribution is unlimited.

Publication C54-01-1-1406

ARINC RESEARCH CORPORATION

AD A 054492

AU NO. _____
DDC FILE COPY



DISCLAIMER NOTICE

**THIS DOCUMENT IS BEST QUALITY
PRACTICABLE. THE COPY FURNISHED
TO DDC CONTAINED A SIGNIFICANT
NUMBER OF PAGES WHICH DO NOT
REPRODUCE LEGIBLY.**

UNCLASSIFIED

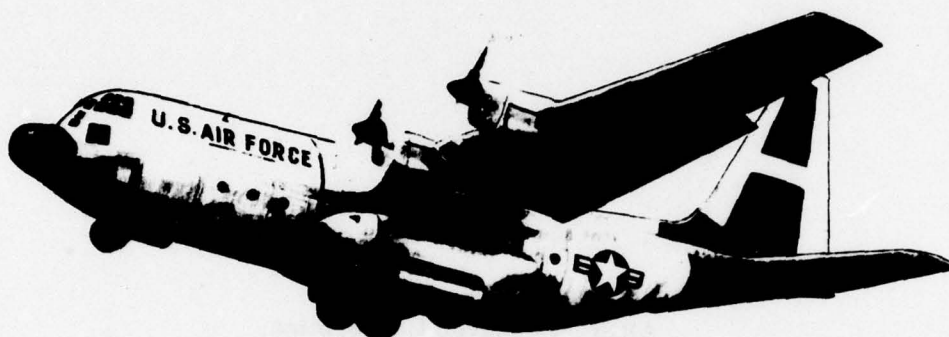
SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER C54-01-1-1406✓	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) DEVELOPMENT OF AIR FORCE FLIGHT SAFETY MODELS Volume 11		5. TYPE OF REPORT & PERIOD COVERED
		6. PERFORMING ORG. REPORT NUMBER C54-01-1-1406
7. AUTHOR(s) Not Listed		8. CONTRACT OR GRANT NUMBER(s) F09603-72-A-1132-SA01✓
9. PERFORMING ORGANIZATION NAME AND ADDRESS ARINC Research Corporation 2551 Riva Road Annapolis, Maryland 21401		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
11. CONTROLLING OFFICE NAME AND ADDRESS SERVICE ENGINEERING DIVISION SAN ANTONIO AIR LOGISTICS CENTER Kelly Air Force Base, Texas		12. REPORT DATE September 1976
		13. NUMBER OF PAGES 80
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office) SERVICE ENGINEERING DIVISION SAN ANTONIO AIR LOGISTICS CENTER Kelly Air Force Base, Texas		15. SECURITY CLASS. (of this report) UNCLASSIFIED
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) UNCLASSIFIED/UNLIMITED		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number)		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) A general description of the Flight Safety Prediction Technique, and the documentation associated with its specific application to the C-130E aircraft, are presented.		

UNCLASSIFIED

9 Final Report

6 DEVELOPMENT OF AIR FORCE
FLIGHT SAFETY MODELS.
Volume 11, C-130E AIRCRAFT.



DDC
RECEIVED
MAY 31 1978
ALBUQUERQUE

12 153 p
11 September 1976

Prepared for
SERVICE ENGINEERING DIVISION
SAN ANTONIO AIR LOGISTICS CENTER
Kelly Air Force Base, Texas
Under Contract F09603-72-A-1132-SA01

This document has been approved
for public release and sale; its
distribution is unlimited.

ARINC RESEARCH CORPORATION

HEADQUARTERS
2551 Riva Road
Annapolis, Maryland 21401

SANTA ANA BRANCH
1222 E. Normandy Place
Santa Ana, California 92702

Publication C54-01-1-1406-VOL-11

400 247

set

Copyright © 1976
ARINC Research Corporation

Prepared under Contract F09603-72-A-1132-SA01,
which grants to the U. S. Government a license
to use any material in this publication for govern-
ment purposes.

ABSTRACT

A general description of the Flight Safety Prediction Technique, and the documentation associated with its specific application to the C-130E aircraft, are presented.

ACCESSION for		
NTIS	White Section	<input checked="" type="checkbox"/>
DDC	Buff Section	<input type="checkbox"/>
UNANNOUNCED		<input type="checkbox"/>
JUSTIFICATION		
BY		
DISTRIBUTION/AVAILABILITY CODES		
Dist. AVAIL. and/or SPECIAL		
A	23	

GLOSSARY

This glossary presents general definitions of terms used in this report. The reader will find certain of these terms defined in somewhat different words in the text, depending on the context of the discussion; but the meaning will be consistent with the definitions given here.

- | | |
|----------------------------|--|
| Criticality | - A numerical index of the significance of equipment failure history relative to aircraft safety. As an analysis parameter, it can be considered proportional to the likelihood that an item will fail and thereby cause an accident. It is the product of the failure probability and the sensitivity of an equipment item. |
| Dependency | - See link dependency. |
| FSPT | - Flight Safety Prediction Technique |
| Flight Phases | - Discrete segments of the aircraft mission profile. For present purposes, the flight phases are defined as 1) startup and taxi, 2) takeoff, 3) climb, 4) cruise, 5) tactics, 6) cruise, 7) descend, 8) land, and 9) taxi and shutdown. |
| Functional Analysis | - The determination of equipment relationships to aircraft functions performed, and the interrelationships of these functions. |
| Functional Link | - The simplest form of functional relationship in which one function is dependent upon the next lower function. |
| Functional Path | - The compilation of functional links, in sequence, through which a function is identified as being dependent upon another. |
| Link Dependency | - The conditional probability of a dependent function failing, given that a particular function it is dependent upon has failed. |
| Provisory Condition | - Operation of an aircraft in a mode or environment such that the safety-related importance of certain equipments is increased. Provisory conditions include icing, night flight, supersonic flight, etc. |
| Provisory Factor | - The probability that a provisory condition exists. Also used to describe the coded notation used to indicate that a functional relationship is dependent on a particular provisory condition. |
| Safety Sensitivity | - Same as "sensitivity". |

Sensitivity

- A quantitative indication of the degree of safety degradation to be expected if a function or piece of equipment fails. The more specific terms are "functional sensitivity" or "equipment item sensitivity".

Sensitivity Path

- A particular sequence of functional dependencies (beginning at the top level in the hierarchical structure) through which a function or piece of equipment derives a sensitivity value. Equipment and functional sensitivity values are often derived through several such sensitivity paths.

FOREWORD

This document is part of a 16-volume report describing the application to specific aircraft types of ARINC Research Corporation's Flight Safety Prediction Technique (FSPT). The technique was developed under previous Air Force contracts (see Appendix A). The present effort, undertaken in 1972 under Contract F09603-72-A-1132-SA01, has led to further refinement of the FSPT through its broad application to many different types of aircraft. The flight safety models generated for these aircraft are presented in individual volumes of this report as follows:

<u>Volume</u>	<u>Aircraft</u>	<u>Volume</u>	<u>Aircraft</u>
2	T-38	10	B-52G, H
3	F-111A, FB-111A	11	C-130E
4	A-7D	12	KC-135
5	F-4D, E; and RF-4C	13	C-5A
6	C-141	14	T-39
7	A-37	15	F-15
8	O-2	16	UH-1N Helicopter
9	OV-10		

Volume 16 will document the results of a feasibility study of extending the FSPT to rotary-wing aircraft.

Volume 1, an overall summary of the contractual effort, will be issued at the end of the contract period.

CONTENTS

	<u>Page</u>
ABSTRACT	iii
GLOSSARY	v
FOREWORD	vii
1. INTRODUCTION	1-1
2. METHODOLOGY UNDERLYING FSPT	2-1
2.1 Definition of Safe Aircraft	2-1
2.2 Mathematical Basis of FSPT	2-1
2.3 Sensitivity Assignments	2-2
3. MODEL DEVELOPMENT	3-1
3.1 Functional Analysis	3-1
3.2 Major-Function Sensitivity Assignment	3-2
3.2.1 Assignment Method	3-2
3.2.2 Link Dependency Assignment	3-5
3.2.3 Provisory Factors	3-5
3.2.4 Computer Processing	3-5
3.2.5 Model Maintenance	3-7
4. C-130E MODEL DEVELOPMENT	4-1
APPENDIX A: Historical Summary of FSPT	A-1
APPENDIX B: Formulation of Criticality-Assessment Technique	B-1
APPENDIX C: FSPT Documentation Methods	C-1
APPENDIX D: FSPT Documentation of C-130E Aircraft	D-1

ILLUSTRATIONS AND TABLES

<u>Figure</u>		<u>Page</u>
1-1	Example of Criticality Ranking Process	1-2
3-1	Activities and Data Inputs to Flight Safety Criticality Assessment . .	3-1
3-2	Hierarchical Structure of Aircraft Functions	3-3
3-3	Phases of Aircraft Mission	3-4

<u>Table</u>		
3-1	Provisory Factor Codes	3-6
4-1	C-130E System Documentation	4-2

1

INTRODUCTION

The Flight Safety Prediction Technique developed by ARINC Research Corporation provides for assessment of the impact on flight safety of the failure of specific items of equipment within an aircraft. In the FSPT, mathematical modeling procedures are applied for processing aircraft-equipment failure data to yield a quantified index ranking safety-related problems on the basis of their likelihood of occurrence and the resulting degradation in the aircraft's capability to fly.

The ranking factor is called "criticality", which in its simplest form is the product of the failure probability and flight-safety sensitivity of an equipment. (A more detailed definition appears in Section 2 and Appendix B.) The failure probability inputs are from basic failure-data sources, AFM 66-1 and 65-110. The sensitivity estimates are derived by the following process:

- a. Systematic analysis of aircraft functions to determine those essential to flight safety
- b. Identification of the hardware required to perform these functions
- c. Evaluation of the safety significance of the hardware in performing these essential aircraft functions.

The criticality values resulting from this approach provide a relative ranking of all malfunctions with respect to their safety significance. Figure 1-1 is a simplified example of how three equipment items would be ranked on the combined basis of their failure probability and safety sensitivity. This figure illustrates an example in which item A has the highest failure probability, but due to the low sensitivity value is ranked below item B in criticality.

The methodology has the ability to rank malfunction problems currently and continuously by their accident potential. This ranking, based on criticality assessment, can provide the basic parameters necessary for:

- a. Identifying equipment items whose failure history and application pose a threat to aircraft safety
- b. Quantifying the degree of threat associated with each equipment item
- c. Evaluating and tracking the effectiveness of modifications to the aircraft
- d. Assessing safety benefits versus the cost of proposed aircraft modifications, changes in maintenance or flight operations, or alternative aircraft designs.

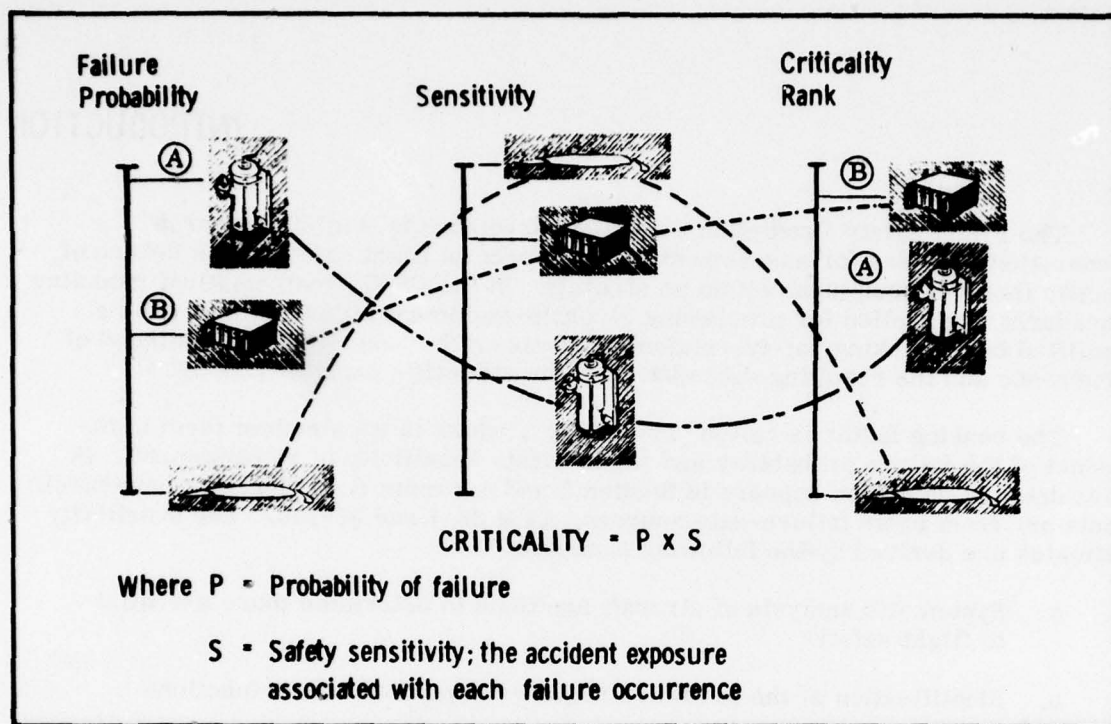


Figure 1-1. Example of Criticality Ranking Process

In this report, Section 4 and Appendix D pertain specifically to the C-130E aircraft. The remainder of the document provides support information that will make the C-130E data, and the method by which the data were obtained, more meaningful to the general reader.

Section 2 presents an overview of the development and utilization of the Flight Safety Prediction Technique; Section 3 discusses the steps associated with generating a safety model for calculating the safety criticality of various equipments of an aircraft; and Section 4 describes how the safety model for the C-130E aircraft was developed. Appendix A summarizes the contractual history of the development of the FSPT; Appendix B discusses mathematical considerations underlying the technique; Appendix C discusses FSPT documentation methods; and Appendix D presents functional relationship diagrams for a listing of keypunch cards that comprise the safety model documentation for the C-130E aircraft.

METHODOLOGY UNDERLYING FSPT 2

This section discusses the basic definitions and mathematical concepts associated with the Flight Safety Prediction Technique.

2.1 DEFINITION OF SAFE AIRCRAFT

To develop a relative measure of aircraft safety degradation resulting from specific equipment malfunctions, it is first necessary to define a "safe" aircraft. For purposes of the FSPT assessments, an aircraft is assumed to be in a safe condition if it is operating within its prescribed performance limits. Conversely, an aircraft operating (or about to operate) outside these limits is considered to be unsafe - in a condition where property damage and personal injury may result.

The safety prediction methodology does not attempt to assess the extent of possible personal injury or aircraft damage resulting from an unsafe condition. Neither does the concept consider ejection capability, parachutes, life rafts, etc., which do not make an aircraft safer per se but provide for the survivability of the aircrew when the aircraft is unsafe. Collision is also excluded from consideration because of the complexity of the interrelationships between pilot, aircraft equipment, ground surveillance, and traffic density.

2.2 MATHEMATICAL BASIS OF FSPT

The probability of an accident caused by the failure of an element can be expressed as the probability of the element failing multiplied by the conditional probability that the failure of the element will cause an accident. Stated in equation form:

$$P(A, j) = P(j)P(A|j) \quad (1)$$

where

$P(A, j)$ = Probability of an accident due to failure of just the j^{th} element*

$P(j)$ = Probability that element j fails

$P(A|j)$ = Probability of an accident given that the j^{th} element fails.

This equation reflects the basic relationships addressed in the FSPT where:

- a. The criticality of the j^{th} element is an estimate of $P(A, j)$
- b. The sensitivity of the j^{th} element is an estimate of $P(A|j)$

*In this and subsequent discussions, unless otherwise stated, expressions such as "failure of the j^{th} element" should be interpreted to mean: failure of only the j^{th} element, assuming all other elements are not failed.

Because an element's effect on safety may depend on the mission phase (see Section 3.2.1), the above model can be expanded to:

$$P(A, j) = \sum_{k=1}^N P_{j,k} P(A|j, k) \quad (2)$$

where

N = Number of mission phases

$P_{j,k}$ = Probability that the j^{th} element is failed in the k^{th} phase

$P(A|j, k)$ = The j^{th} element's sensitivity in the k^{th} phase.

To identify the importance of discrete elements to aircraft safety, a flight profile consisting of nine distinct phases was defined. The phases are discussed in Section 3.2.1.

To utilize equation 2, it was necessary to develop a method for obtaining the values of $P(A|j, k)$, the probability that a malfunction in element j during mission phase k will result in an accident. This method in turn requires the estimation of two parameters: the probability of accident if a major function is not available during each mission phase, and the dependence of the major function on subfunctions and elements during each such phase*. Each function and equipment item thus derives its sensitivity value from its relationship to the major function(s) dependent upon it.

2.3 SENSITIVITY ASSIGNMENTS

A great deal of information is available on the causes of aircraft accidents, but little exists from which to make the sensitivity assignments $[P(A|j)]$. These assignments are therefore largely subjective, based on the analyst's knowledge of the system and any information he may have on previous accident history. The sensitivity assignments are reviewed (and revised as necessary) by an Air Force/contractor team working on a particular model to ensure that consistent criteria have been followed. The team review and negotiation of sensitivity assignments is the mechanism by which the value becomes sufficiently objective for use with the model. This negotiation considers all of those top level functions as a group and reassigns sensitivity values as necessary to assure that the most objective proportionality is attained for the particular aircraft model. The same major-function sensitivity values are used for major functions on all aircraft models where configuration and mission profiles permit.

The development of criticality rankings for the various elements (j 's) is dependent upon the ability to quantify the failure probability $[P(j)]$ and the element sensitivity $[P(A|j)]$ for each element. Since the intent of the concept is to provide a relative safety ranking of all malfunctions, it is not necessary to develop absolute

*For a more detailed discussion of the mathematics of the FSPT, see Appendix B.

values for $P(A|j)$. If the sensitivity values developed are correct relative to each other, a proper criticality ranking will be established. It is intended that criticality be an index proportional to $P(A, j)$ and therefore provide the same relative rank ordering of elements. The major reasons for proportionality, rather than equality, are:

- a. The FSPT does not account for the effect of extraordinary pilot intervention to prevent an accident in case of equipment malfunction.
- b. Criticality quantification was limited in its treatment of simultaneous occurrence of independent, primary failures.
- c. Operational and malfunction data yield only a proportional estimate of the required information.

While strict proportionality cannot be mathematically proven, it is believed that the criticality rankings provide reasonable relative measures of equipment problem potential.

3 MODEL DEVELOPMENT

Figure 3-1 summarizes the approach to the assessment of flight-safety criticality of aircraft equipment. The first contractor activity is the identification of all functions the aircraft is expected to perform and the determination of their interrelationships. Next, each functional relationship is documented; and then sensitivity assignments are made at the major functional levels (below these levels, link dependency values are estimated; see discussion, Section 3.2.2). This process is carried out until each work unit code associated with a major function has been identified with respect to the function performed and dependencies have been estimated. Computer processing calculates the safety sensitivity for each work unit coded item, combines these values with the operation and failure data input by the Air Force, and produces the equipment criticality ranking.

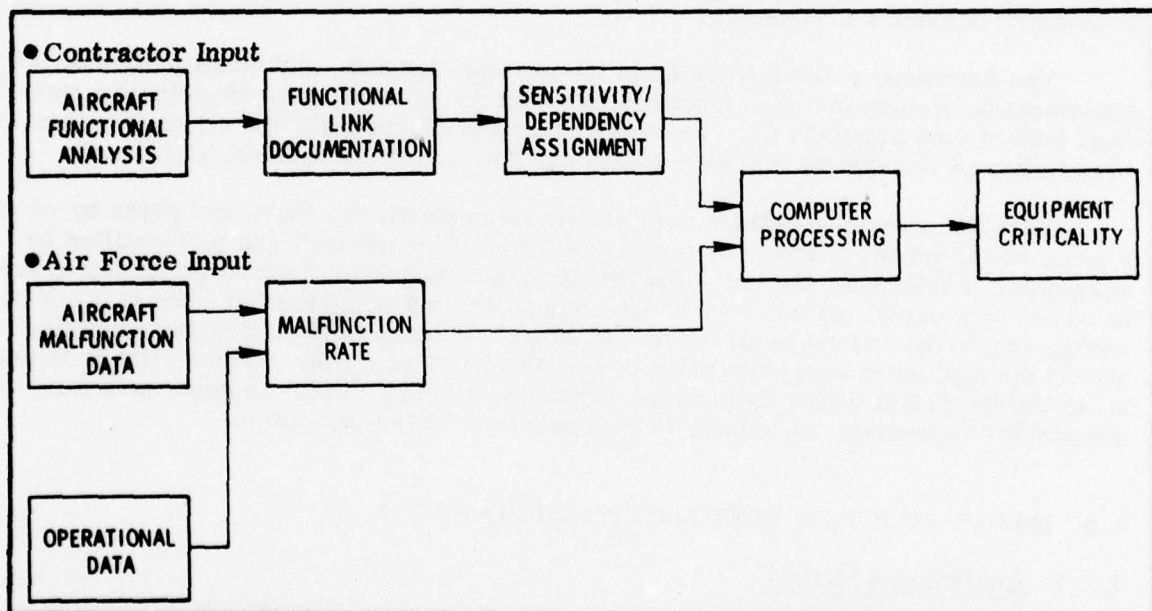


Figure 3-1. Activities and Data Inputs to Flight Safety Criticality Assessment

The steps in this process are discussed in greater detail in the following sections.

3.1 FUNCTIONAL ANALYSIS

Functional analysis entails the systematic identification of the relationships of hardware to the functions performed by the aircraft and documented in the aircraft technical orders. Tabulated for each aircraft function are the equipments necessary for its performance as well as all outputs required for other systems. The complexity of the functional interdependencies of an aircraft requires the use of a systematic

accounting procedure, as discussed below, to assure that all relationships have been identified and that no functional paths have been overlooked.

Certain top-level functions (comprised of both "primary" and "major" functions) have been defined as applicable to all aircraft types, and serve as the starting point for a safety analysis. Figure 3-2 lists these top level functions with the primary function of Flight Control expanded to show its typical major functions. Below the major function level, differences in aircraft types result in function identification and structuring specifically suited to each aircraft. In Figure 3-2, for instance, the major function Roll Control is subdivided into Left Roll and Right Roll, and further into aileron and spoiler actuation subfunctions. This structure is that applicable to an F-4 aircraft, in which ailerons have an extremely limited upward travel and lift is primarily lost through spoiler operation. Finally, each item in the aircraft WUC ("06") manual is identified with respect to the function it performs.*

Every function and every WUC included in the model receives an "alpha designator" unique to that aircraft model. Due to the large number of alpha designators required in a model, an indenturing system is utilized to prevent duplication. However, the location in the hierarchical structure and the number of characters in the alpha designators are often independent, since such correlation is not necessary for subsequent computer processing.

The functional relationships from the system diagram, and identification of the equipment necessary for each function, are next documented in an 80-column punchcard format (see Appendix C). The total functional diagram for the aircraft is then a compilation of the system diagrams, with one punchcard for each functional link.

With the aircraft functions completely documented, the functional paths by which a piece of equipment contributes to the operation of the aircraft can be identified by computer. Performing the path-identification/documentation task by computer proves to be not only useful but necessary - the human analyst could neither keep track of nor assign sensitivity values to all functional paths. The machine processing capability allows the analyst to consider only one functional link at a time. The ability to follow all of the functional interrelationships within the aircraft, which is necessary for meaningful assessment of safety, is then provided by the computer.

3.2 MAJOR-FUNCTION SENSITIVITY ASSIGNMENT

3.2.1 Assignment Method

As stated earlier, the sensitivity of a function or equipment item is an estimate of the probability that its failure will cause an accident. From functional analysis of the aircraft under consideration, major functions are identified and are assigned sensitivity values for each phase of the mission.

*Certain WUC items in the "06" manual may not be included in the safety model, these items being either 1) eliminated by TCTOs; 2) purely structural items in the 11000 series; 3) necessary only for survivability or ejection; 4) of lower indenture than the LRU level, where computer data screening eliminates failure reports.

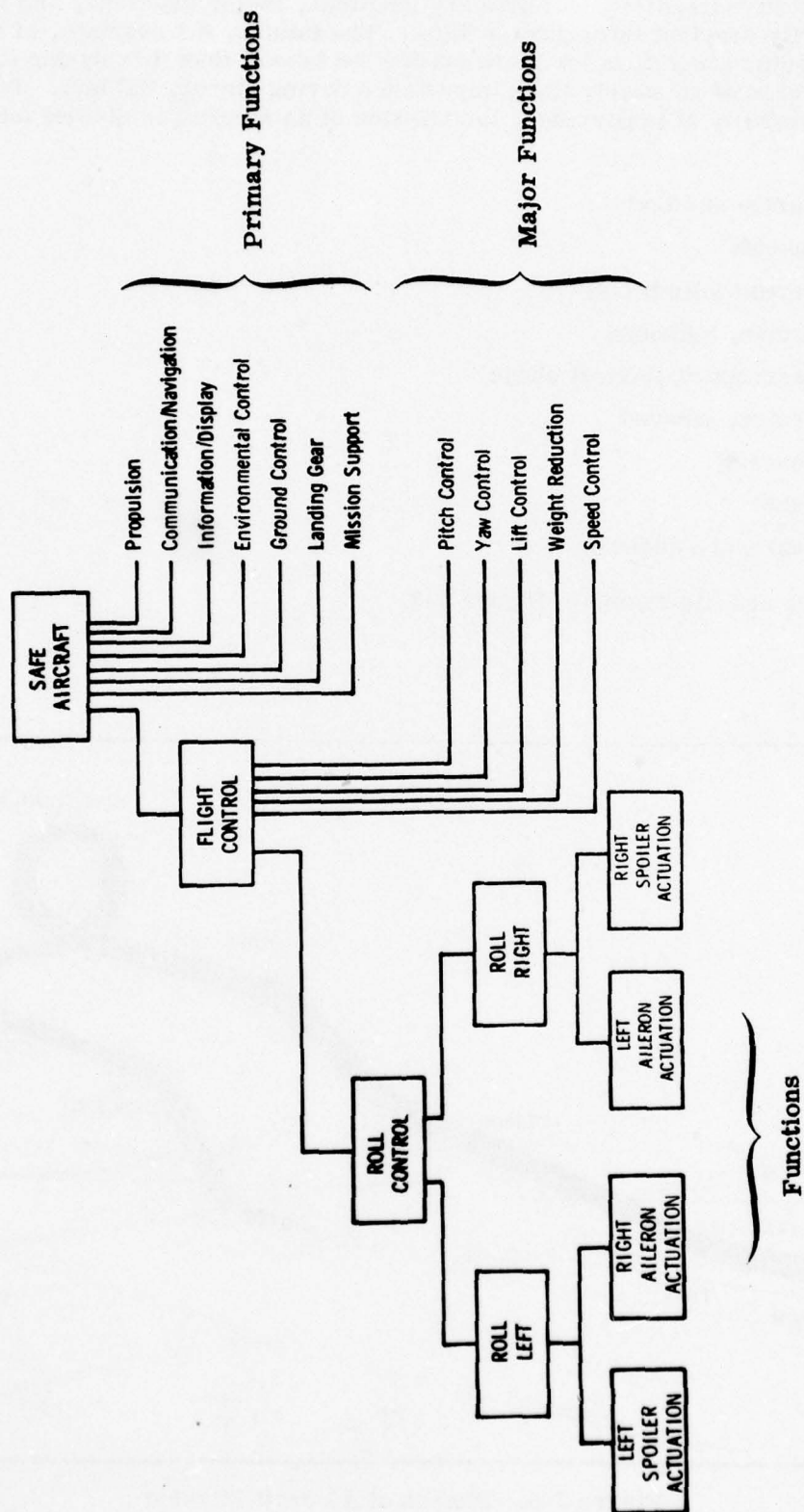


Figure 3-2. Hierarchical Structure of Aircraft Functions

The relative importance of primary functions, major functions, and functions is not necessarily constant throughout a flight. The failure, for example, of one engine of a multi-engine aircraft is far more critical on takeoff than it is during the rest of the flight, and is of relatively little importance during startup and taxi. To accommodate this variability of importance, the mission of an aircraft is divided into nine flight phases:

1. Startup and taxi
2. Takeoff
3. Ascend (climb-out)
4. Cruise, outbound
5. Intercept or tactical phase
6. Cruise, inbound
7. Descend
8. Land
9. Taxi and shutdown

These phases are illustrated in Figure 3-3.

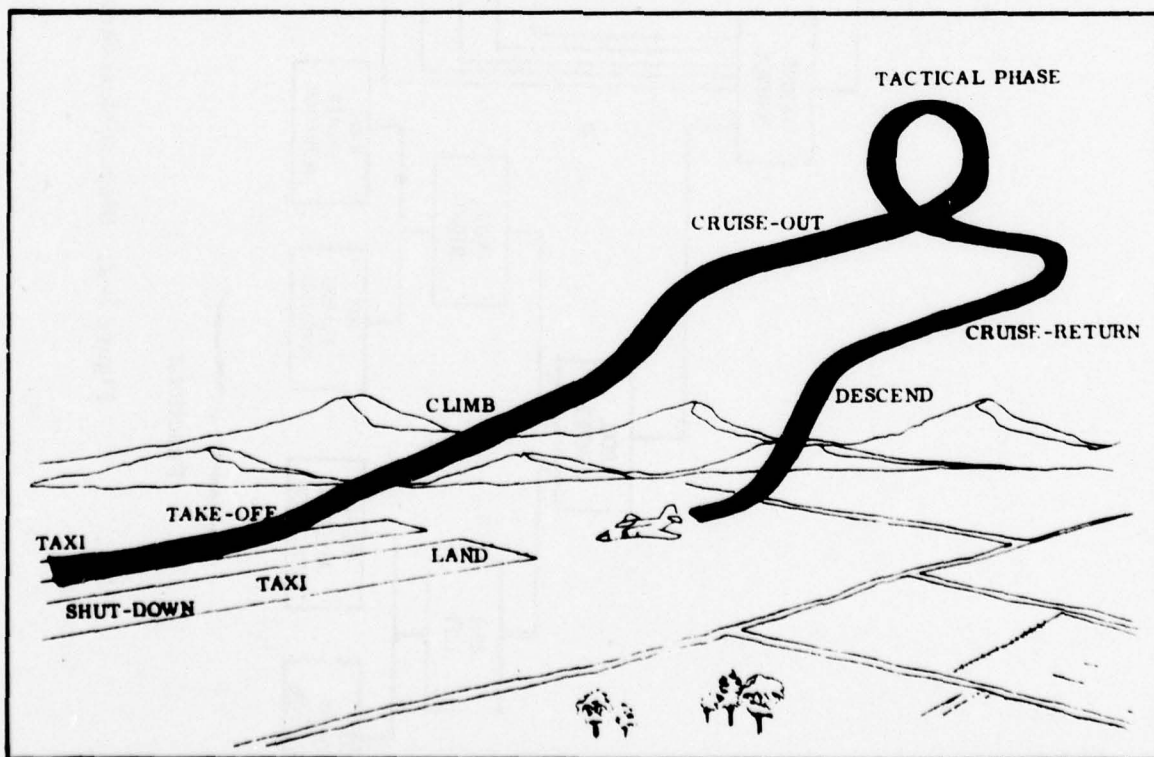


Figure 3-3. Phases of Aircraft Mission

A sensitivity value is assigned for each of the phases, and represents the best estimate of the likelihood that the aircraft will enter a hazardous mode if the function is not present in that phase. The numerical values assigned are proportional rather than absolute, and range from 0.0 to 1.0. The keypunch card format limits this assignment to increments of 0.1. Increments smaller than 0.1, when required, were assigned by defining a quasi-function for insertion between the major function and its dependent primary function.

3.2.2 Link Dependency Assignment

"Link dependency" is defined as the probability that the loss of a function will result in the loss of a dependent function. (For a more detailed discussion of this term, see Appendix B.) The assignment of link dependency values requires knowledge of the operation of specific aircraft because it is concerned only with functional levels below the "major" category. At this lower level, no evaluation is made of the impact on flight safety of the loss of functions. Instead, the effect of the loss of one function on the performance of another function becomes the evaluation criterion. Like sensitivities, link dependency values are assigned in increments of 0.1. Additionally, the method of attenuation used in assigning sensitivity values can also be applied to link dependencies.

3.2.3 Provisory Factors

The sensitivity of major functions with respect to aircraft safety, and at the lower levels the link dependency between functions, can be dependent on external influences and aircraft operating conditions. To accommodate these external influences, a set of provisory factors has been identified. An example would be a windshield anti-ice system, which has a safety sensitivity close to 1.0 during landing under icing conditions but a negligible effect on a dry, warm day.

Under such circumstances, the procedure is to assign the "worst case" value (assuming the condition exists). During model exercise the likelihood that the condition exists can be "read-in", thereby allowing the sensitivity value to be assigned by the computer based on the likelihood of the condition and the probability that the higher level function will therefore be lost. Table 3-1 lists the standard provisory factors used in FSPT models.

3.2.4 Computer Processing

Documentation of a flight safety analysis by ARINC Research thus consists of functional diagrams, coded functional tabulations, a functional data processing card deck, and a machine-prepared printout of the card deck data. Under this contract, the documentation is then sent to San Antonio Air Logistics Center for review by MMER personnel and representatives of the Air Logistics Center responsible for the particular aircraft (if other than SA/ALC).

SA/ALC processes the functional data card deck utilizing a number of computerized operations. First, a functional deck edit is accomplished to identify certain format or logic errors that may exist. Next, a path identification/documentation run is made that traces all possible paths associated with each function and calculates the numerical sensitivities by flight phase down to the WUC level. Then, a path combination run is made taking into account the dependence of more than one major function on a particular WUC. Finally, failure information from the 66-1 data system and numerical factors for provisory conditions are input and a WUC criticality list by rank order is generated by the computer.

TABLE 3-1. PROVISORY FACTOR CODES

Code	Provisory Condition
A	Icing conditions
B	Adverse speed/altitude operations (Helicopter)
C	Runway stopping distance/confined area (Helicopter)
D	Night operation
E	IFR conditions
F	Supersonic flight
G	Rain
H	Solo flight
I	Loss of function for which indication is provided
K	Normal system failed
T	Flame-out
X	Fire
Y	Cold weather
2	One of three available units is required
3	Two of three available units are required
4	One of four available units is required
5	Two of four available units are required
6	Three of four available units are required
8	Four of eight available units are required

An additional product generated by the computer is a two-part criticality trend analysis. Part I contains the criticality rankings and linear regression analysis by WUC for the previous 12 months. Part II contains plots of the criticalities and regression lines for the 25 WUCs top-ranked according to safety criticality.

3.2.5 Model Maintenance

Each time an aircraft type for which a safety model has been developed undergoes a modification, the effects of the changes on the model must be evaluated. Technical order and WUC revisions must be incorporated into the model. Removal of existing hardware, the installation of new hardware, or design improvements may change link dependencies and sensitivity assignments. The update procedure should follow the same general steps as outlined for the initial analysis effort.

Existing block diagrams and a printout of the functional card deck form the baseline for change identification. Functional relationships should be reviewed to determine the impact of changes on the documented safety analysis. Diagrams should be revised to reflect functional differences, WUC changes should be noted, and all differences listed on a flight-safety functional tabulation sheet. The functional deck printout can be used for manual indication of what the changes are and where they occur. New data cards are prepared and the functional deck updated by the removal of obsolete cards and the insertion of new cards. From this point on, the computer is again utilized to edit the functional deck, perform path identification/documentation, and calculate sensitivities for each WUC.

Block diagrams and other affected portions of the specific aircraft safety analysis report should be updated and revised pages issued that reflect these changes. Maintaining an accurate and updated model is important to obtaining an accurate assessment of the safety significance of hardware failures.

C-130E MODEL DEVELOPMENT

The FSPT model for the C-130E aircraft was begun in July 1974. The aircraft documentation (excluding the landing gear system) was submitted for "GO-95" computer edit at SA/ALC in October 1974. Documentation of the landing gear functional logic/sensitivity was assigned to Warner Robins ALC. This documentation was eventually merged with that previously submitted for GO-95 computer processing.

The aircraft flight manual and maintenance technical orders provided the information on aircraft system operation. The model developed represents C-130E aircraft configured to the latest time compliance technical orders (TCTOs) documented in the manuals supplied by SA/ALC. Table 4-1 lists the manuals and their revision status applicable to the developed model.

Because of the vulnerability of the functional logic/sensitivity documentation to such errors as omission of links, duplication of cards, and incorrect keypunching, quality reviews were conducted at various critical points in the model development. In addition to keypunch verification, each card was checked against the functional link shown on the original rough draft and the final functional diagram and the diagrammed link was checked off. Missing or duplicated functional links were thus identified.

Work unit codes used in the model were checked against the WUC manual to assure completeness. In so doing, an unusual problem was encountered in identifying the WUC to be included in the C-130E model. The WUC manual (TO-1C-130B/E-06) is applicable to all C-130 models (MDSs), but often fails to distinguish the MDS applicability for individual WUCs. There were numerous cases in which an item appeared to have more than one WUC. To minimize the effects of these problems a special review was completed, as part of the final quality review, to check each item against the B-4 Master WUC List, and also against a listing of WUCs reported in "66-1" data against the C-130E. Items not listed in the B-4 were excluded from the model unless the item had a 66-1 failure history for the C-130E. In the cases of multiple WUCs for a single item, all WUCs are included.

It is anticipated that operations personnel will have great difficulty choosing the proper WUC for reporting maintenance actions due to the WUC manual stated problems; therefore, it is recommended that the WUC manual be amended to correct the problem of distinguishing the MDS applicability for individual WUCs.

The quality reviews were first conducted prior to computer verification of the aircraft deck by SA/ALC. Following computer verification, a second quality review was performed by representatives of Warner Robins ALC and ARINC Research.

Appendix C presents the methods and standard used in documenting an FSPT aircraft model. Appendix D presents the FSPT documentation for the C-130E aircraft.

TABLE 4-1. C-130E SYSTEM DOCUMENTATION

Nomenclature	Title	Revision/Date
1C-130B/E-1	Flight Manual	Change 6, 2 May 1973
1C-130B/E-1-1	Performance Data	Change 3, 1 November 1972
1C-130B/E-2-1	General Airplane	Change 7, 15 January 1974
1C-130B/E-2-2	Ground Handling, Servicing, and Airframe Maintenance	Change 14, 9 March 1972
1C-130B/E-2-3	Hydraulic Systems	Change 11, 2 May 1973
1C-130B/E-2-4	Power Plant	Change 15, 8 June 1973
1C-130B/E-2-5	Fuel Systems	Change 5, 8 June 1973
1C-130B/E-2-6	Instruments	Change 7, 15 April 1972
1C-130B/E-2-7	Electrical Systems	Change 19, 8 June 1973
1C-130B/E-2-8	Radio, Communications and Navigation Systems	Change 11, 1 March 1972
1C-130B/E-2-9	Flight Control Systems	Change 12, 28 June 1973
1C-130B/E-2-10	Utility Systems	Change 14, 15 June 1973
1C-130B/E-2-11	Propeller	Change 17, December 1970
1C-130B/E-2-12	Landing Gear	Change 17, 8 June 1973
1C-130B/E-2-13	Airplane Wiring Diagrams	Change 16, 1 June 1973
1C-130B/E-06	Work Unit Code Manual	Change 4, 1 March 1974

APPENDIX A
HISTORICAL SUMMARY OF FSPT

HISTORICAL SUMMARY OF FSPT

In 1965, the desirability and practicability of quantifying the significance of specific equipment malfunctions relative to flight safety was explored in a feasibility study conducted by ARINC Research Corporation for the Air Force. The feasibility of a safety-quantification approach, which has subsequently become known as Flight Safety Prediction Technique (FSPT), was demonstrated; and the method was developed and refined in a series of studies, as follows:

<u>Study Phase</u>	<u>Subject/Date</u>	<u>Sponsor*/Publication No.</u>
I	Feasibility Study, September 1965 to June 1967 (Phase I)	Sacramento Air Materiel Area (SMNE), Contract AF09(603)62335, SM-67-2; publication 705-01-1-777
II-A	Technique Development, October 1967 to July 1968 (Phase II-A)	San Antonio Air Materiel Area (SANEW), Contract AF09(603)-67-A-0267-SA01; publication 734-01-1-895
II-B	Technique Development, July 1968 to July 1969 (Phase II-B)	San Antonio Air Materiel Area (SANEW), Contract F09(603)-68-A-0317-SA01; publication 754-01-1-985 (Revision 1)
	FSPT System Documentation for the F-4C and T-37 Aircraft, October 1970 to June 1971	San Antonio Air Materiel Area (MMER) Contract F41608-71-C-0576; publication 697-01-1-1118

In the Phase II-B study, the FSPT was applied to the F-106 aircraft. Concurrent with Phase II-B, the U.S. Naval Safety Center contracted ARINC Research to extend the methodology to produce a flight safety criticality model for the F-4J aircraft. The results of this effort are documented in ARINC Research Publication 753-01-3-982 (Revision 1).

In 1970, ARINC Research was contracted to develop suitable input data to permit the application of the technique to the T-37 and F-4C aircraft. These data were derived in the form of mathematical model functional documentation as input to the basic computer program developed and applied to the F-106.

In 1972, ARINC Research Corporation was awarded a contract, with the subsequent modifications in 1973 and 1974, to apply the Flight Safety Prediction Technique to 15 aircraft, working jointly with cognizant Air Logistics Centers. Aircraft to which the FSPT has been applied under this latter contract (F09603-72-A-1132-SA01) include:

- a. T-38
- b. F-111A and FB-111A

*The office symbols of Service Engineering at the Sacramento and San Antonio Air Materiel Areas are now SM/ALC/MME and SA/ALC/MME, respectively.

- c. A-7D
- d. F-4D, E; RF-4C
- e. C-141
- f. A-37
- g. O-2
- h. OV-10
- i. B-52G, H
- j. C-130E
- k. KC-135
- l. C-5A
- m. T-39
- n. F-15
- o. UH-1N Helicopter*

*Feasibility study of adaptation of FSPT to rotary-wing aircraft.

APPENDIX B
FORMULATION OF CRITICALITY-ASSESSMENT TECHNIQUE

FORMULATION OF CRITICALITY-ASSESSMENT TECHNIQUE

To implement the basic safety model defined in Section 2.2, it is necessary to develop a submodel for the probability that a malfunction in element j during mission phase k will result in an accident. This submodel in turn requires that we estimate two parameters: the probability of accident if a major function is not available during each mission phase, and the dependence of the major function on element j during each mission phase.

The first parameter is termed "functional sensitivity" and is estimated for each major function. The functional analysis performed in this task established for an aircraft the following hierarchal scheme:

Aircraft

Primary functions

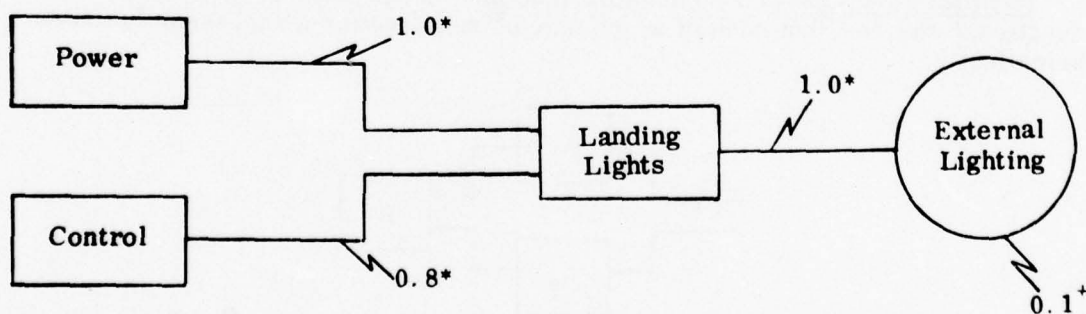
Major functions

Function

Elements (Work Unit Codes)

A primary function would be one such as Flight Control. Major functions under Flight Control would include Pitch Control and Yaw Control.

The second parameter, "link dependency," is a vehicle for showing the influence of each functional-path element on the performance of a major function. For example, if the major function being considered is External Lighting, the following diagram illustrates the nature of functional sensitivity and link dependency values.



* Link dependencies

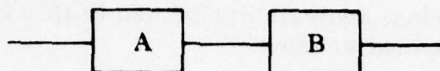
+ Functional sensitivity

The 0.8 value means that failure of the Control function will result in loss of the Landing Light function 80% of the time. The 0.1 functional sensitivity value denotes that loss of external lighting will result in an accident 10% of the time. The values must be interpreted in a proportional sense, in that the actual accident probability is dependent upon external factors (see Section 3.2.3).

The remainder of this appendix discusses the procedures and model used to obtain element sensitivities; e.g., in the above example, the accident probability given that a Work Unit Code in the Control function malfunctions.

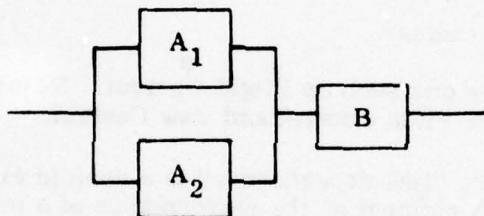
Three principal types of functional relationship--series, redundant, and parallel--were identified as representing the major forms to consider in modeling element sensitivity.

Series Relationship - A function having only one input. Schematically,



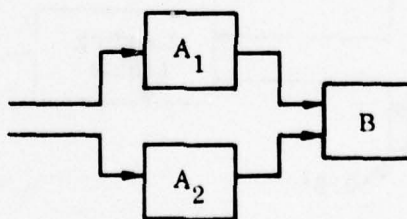
which indicates that outside of its own elements, the success of function B is only affected by the success of function A.

Functional Redundancy - A function having one or more backup functions that can provide the required inputs to successor functions. Schematically,



where A_1 and A_2 represent a functional redundancy in that either may provide the necessary input to B.

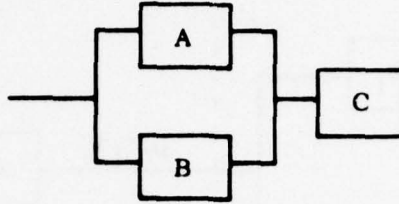
Parallel Functions - Two or more functions independent of each other in terms of functional success, but each of which may be required for a successor function. Schematically,



B will generally require both A_1 and A_2 ; but A_1 does not depend on A_2 , nor does A_2 depend on A_1 .

In some cases the distinction between functional redundancy and parallel paths is very slight, and may depend on mission phase. For example the four engines of a plane can be considered to be a redundant configuration providing inputs to the primary propulsion function during cruising, but would generally be considered to be parallel functions during takeoffs requiring full power.

In general, given a schematic relationship of the form,

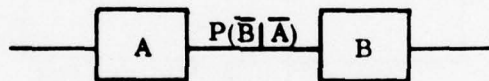


we can say that A and B are in a functionally redundant configuration if the success probability of C is the same if 1) A and B are successful, 2) A only is successful, or 3) B only is successful. If, for example, C is more likely to be successful if both A and B are successful, rather than A or B alone, then the relationship is one of parallel paths.

It is noted that the model will also account for element redundancy and parallel elements through inputs such as $P(\bar{A}|i_a)$, representing the probability that the Ath function fails given that the i_a^{th} element in A has failed. If i_a is a parallel element, the probability would depend on mission requirements and other parallel-element states.

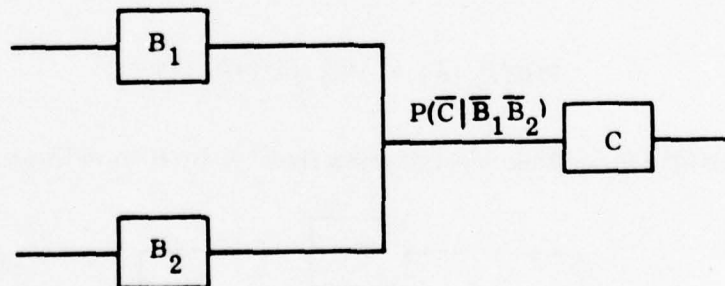
Link dependency is the conditional probability of a functional failure, given the failure of immediate predecessor functions. The link dependencies applicable to the three basic designs defined above are shown below.

Series Relationship

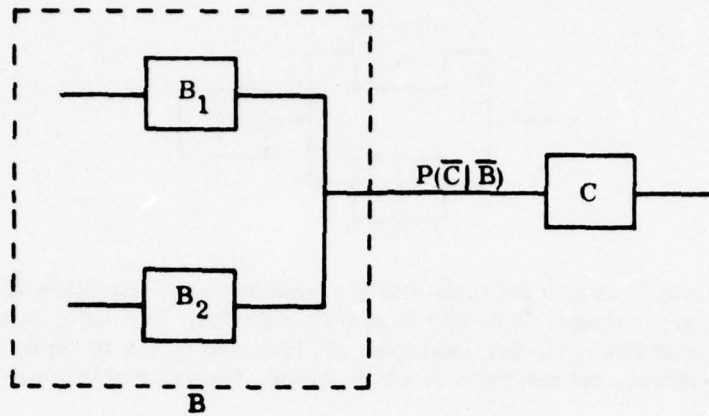


Link dependency = $P(\bar{B}|\bar{A})$ = probability that B fails given that A fails.

Functional Redundancy

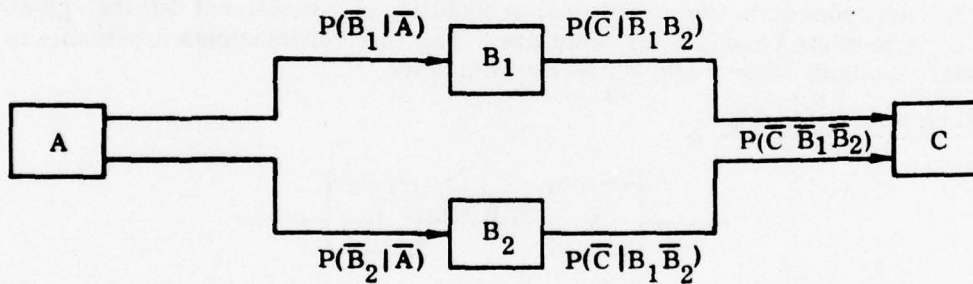


equivalent to



where $\bar{B} = \bar{B}_1\bar{B}_2$

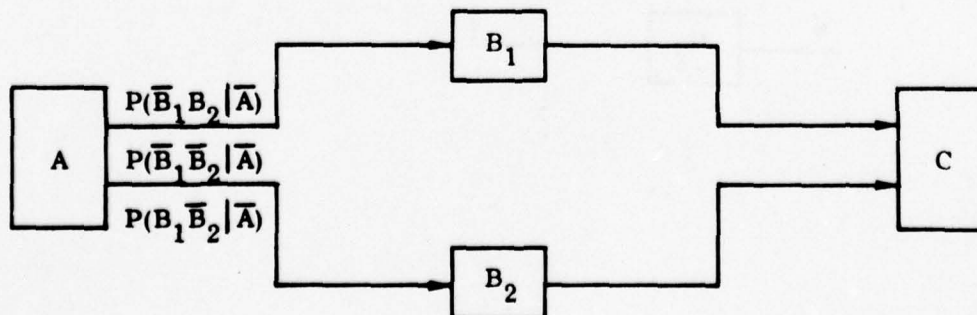
Parallel Functions



We shall generally assume that the dependencies of B_1 with respect to A , and of B_2 with respect to A , are independent of each other, so that

$$P(\bar{B}_1\bar{B}_2|\bar{A}) = P(\bar{B}_1|\bar{A})P(\bar{B}_2|\bar{A})$$

We then can consider three link dependencies from A to B as follows:



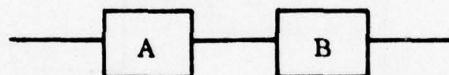
noting that

$$P(\bar{B}_1|\bar{A}) = P(\bar{B}_1 B_2|\bar{A}) + P(\bar{B}_1 \bar{B}_2|\bar{A})$$

$$P(\bar{B}_2|\bar{A}) = P(B_1 \bar{B}_2|\bar{A}) + P(\bar{B}_1 \bar{B}_2|\bar{A})$$

Models are shown below for determining the sensitivity of elements within a function for each of the three basic designs. The following basic assumptions apply:

- a. Except for cases where an element has a redundant or parallel counterpart or is located in a function with a redundant or parallel function, only the element under consideration shall be assumed to have failed initially. Thus the expression $P(A|i_a)$, representing the accident probability given failure of the i th Work Unit Code element, is based on the assumption that no other element has failed unless element i is in some redundant or parallel configuration. For cases in which there are redundant or parallel counterparts, failures of such counterpart elements or functions are considered in accordance with their occurrence probabilities.
- b. The success of all immediate predecessors ensures the success of a function, provided that the function experiences no element failures. Thus for the series function relationship



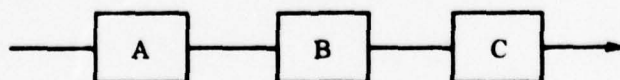
we assume

$$P(\bar{B}|A) = 0,$$

provided B experiences no element failures. If an element in function A is under consideration, the latter provision is always true by assumption "a."

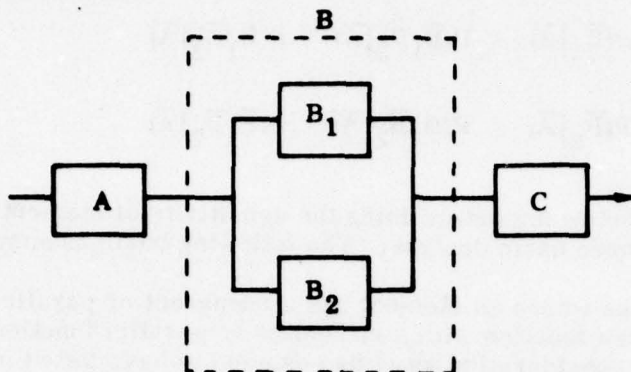
The element sensitivity models are:

Series Relationship



$$P(A|i_a) = P(\bar{A}|i_a)P(\bar{B}|\bar{A})P(\bar{C}|\bar{B})P(A|\bar{C})$$

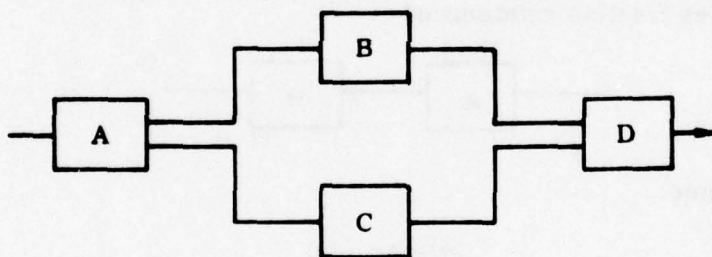
Functional Redundancy



$$P(\mathcal{M}|i_a) = P(\bar{A}|i_a)P(\bar{B}|\bar{A})P(\bar{C}|\bar{B})P(\mathcal{M}|\bar{C})$$

$$P(\mathcal{M}|i_{b1}) = P(\bar{B}_1|i_{b1})P(\bar{B}_2)P(\bar{C}|\bar{B})P(\mathcal{M}|\bar{C})$$

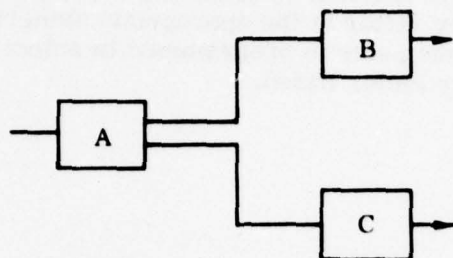
Parallel Functions



$$P(\mathcal{M}|i_a) = P(\bar{A}|i_a) \{ P(\bar{B}C|\bar{A})P(\bar{D}|\bar{B}C) + P(\bar{B}\bar{C}|\bar{A})P(\bar{D}|\bar{B}\bar{C}) \\ + P(\bar{B}\bar{C}|\bar{A})P(\bar{D}|\bar{B}\bar{C}) \} P(\mathcal{M}|\bar{D})$$

$$P(\mathcal{M}|i_b) = P(\bar{B}|i_b) \{ P(\bar{C}|i_b)P(\bar{D}|\bar{B}C) + P(C|i_b)P(\bar{D}|\bar{B}C) \} P(\mathcal{M}|\bar{D})$$

A case not explicitly included in the above three basic functional relationships is one for which a function is in two paths, e.g.,



then

$$P(A|i_a) = P(\bar{C}|i_a)P(B|i_a)P(A|\bar{C}B) + P(C|i_a)P(\bar{B}|i_a)P(A|C\bar{B}) \\ + P(\bar{C}|i_a)P(\bar{B}|i_a)\{1 - P(A|\bar{C})P(A|\bar{B})\}$$

where it is assumed that the effects of loss of the major functions in accident occurrence are independent of each other.

Use of Numerical Provisory Factors for Partially Redundant Systems

The numerical provisory factors (see Table 3-1) are used where more than two identical functions are involved in a redundancy. For example, aircraft with more than two engines often have identical and independent systems for hydraulic pressurization, and for electrical power generation, one driven by each engine. If the aircraft can be operated safely with one or more of such systems in a failed state, one of the numeric codes is utilized in assigning link dependency values. Consider, for example, the following:

If N identical and independent units* are available and at least M are required for safe operation, where $0 < M < N$, then the provisory factor of a given unit, say U_j , is the probability that the failure of U_j will cause the aircraft to enter an unsafe state. This is the probability that exactly $M-1$ of the remaining $N-1$ units will be in an unfailed state. This probability can be calculated by the formula for the binomial distribution, and is given by

$$P(U_j) = \binom{N-1}{M-1} p^{(M-1)} q^{(N-M)}$$

where $P(U_j)$ = probability that failure of the j^{th} unit will cause the aircraft to enter an unsafe state, and

M = Number of units required

N = Number of units available

p = Probability that a single unit will be in an unfailed state

q = Probability that a single unit will be in a failed state or $(1-p)$

*Units may be either elements, element assemblies, or functions.

Assignment of link dependencies to N identical and independent units of which only M are required proceeds as follows. The value assigned to each unit is the dependency of the higher level function on receiving an output from M of the units (usually 1.0). The provisory factor is the appropriate numeric code. In the evaluation of the path sensitivity, the computer is programmed to select the binomial formula that corresponds to the provisory factor listed.

APPENDIX C
FSPT DOCUMENTATION METHODS

FSPT DOCUMENTATION METHODS

Because of the extreme complexity of aircraft, it is necessary to develop a computerized method to identify and document all possible paths associated with each function as well as to determine the safety sensitivity associated with each path. A computer routine has been devised that takes the data from the functional card deck and traces and documents all paths. For each WUC, it also computes the flight-phase sensitivities for each path in which the WUC is present. The resulting computer printout provides a combined functional path sensitivity.

C.1 ALPHA CODING

As each system of the aircraft is functionally diagrammed, the functional blocks are assigned an "alpha code". This code aids the analyst in the bookkeeping tasks of functional diagramming and provides the computer with an identification of the elements to be processed. For standardization among aircraft, nine top-level functions have been defined and each has been assigned an initial or first-alpha designator. Each block in the functional diagram carries the same initial alpha as the top level function. Subsequent letters added to the initial alpha uniquely identify each block.

The only restrictions placed on the assignment of alpha codes are that:

- a. All characters in a code must be a letter of the alphabet, and
- b. The maximum number of characters in one code is seven.

C.2 ALPHA CODING AND COMPUTER PROGRAM COMPATIBILITY

Additional rules for alpha coding required to obtain the desired results from computer processing include:

- a. When a WUC item operates in the same mode to perform more than one function, the same alpha code is used in each application.
- b. When a WUC item operates in a different mode to perform each of more than one function, a different alpha designator is assigned for each operating mode.

C.3 FUNCTIONAL TABULATION

The "Flight Safety Functional Tabulation" sheet is used to code the safety model for keypunching. The sheets are coded as follows (refer to Figure C-1) for an example).

- a. Columns 1 through 3. Used to identify the aircraft represented by the model. For certain aircraft modeled under this contract more than one model - designation series MDS - was included. For instance, a single functional deck was created for four MDSs of the F-4 aircraft. Cards with "F4*~~1~~" in columns 1-3 were common to all aircraft. For example,

*~~1~~ = blank

when these cards are combined with those carrying "F4E" in columns 1-3, then it produces an F-4E FSPT model deck.

- b. Columns 4 through 31. Contain the title of the function or the WUC item.
- c. Columns 32 through 36. Contain the left-justified WUC number.
- d. Columns 37 and 38. Blank
- e. Columns 39 through 46. Contain the assigned alpha designator for the function and/or the WUC. Column 39 contains either an L or an R, or is blank. The L and R designate left and right for those instances when the function and/or WUC pertains to the left or right side of the aircraft.
- f. Columns 47 and 48. Blank.
- g. Columns 49 through 55. Normally left blank, but are used after a deck is operational to substitute the data on a card for that stored in the computer by punching the line record number in this field.
- h. Columns 56 through 63. Identify the dependent functions for either the function or specific WUCs being coded. Column 56 may contain L, R or blank for the same purpose as that of column 39.
- i. Column 64. Contains the alphanumeric code of the "provisory factor" applicable to the link value assigned.
- j. Columns 65 through 69. Contain the alpha designator of a function that is an alternate for the function being coded. (Column 65 is used for "L" or "R" as in Column 39.) The presence of the "alternate alpha" flags the importance of the link dependency as being affected by the success probability of the alternate function.
- k. Column 70. Contains the work unit code dependency value (1 = 0.10; 2 = 0.20;A = 1.0). This value is applicable to all flight phases.
- l. Column 71. Contains special instructions to the computer through the use of letters F, S, or being blank. Cards with an "S" or "blank" in column 71 are used in sensitivity computations. Cards with an "F" document a functional relationships which, although present in the system, would produce an erroneous sensitivity value when combined with other nonindependent paths (having the same function in common at some higher level). The "F" prevents the computer from including the link in the sensitivity calculations.
- m. Columns 72 through 80. Contain functional dependencies for each of nine flight phases as described in Section 3.2.1 of the text. Coding is the same as for column 70.

C.4 DIAGRAM CONSTRUCTION

The diagrams produced under the contract document the functional inter-relationship of the aircraft systems considered in the model. In the interest of extending the useful life of the diagrams, WUC items are not shown, thereby eliminating the necessity of updating the diagrams with each (and sometimes frequent) change to the WUC manual.

As discussed earlier in this report, the diagrams represent the hierarchal structure of the paths from which the sensitivity values are derived. The diagrams, although consistent with the system schematic and reliability block diagrams, are not equivalent due to this hierarchal method of documentation. In the actual system, signals and/or fluids pass from one component to the next and are thus documented in schematics; conversely, the hierarchal approach only identifies the components that must operate to achieve a given function, independent of the direction and/or sequence of signal flow. This approach directly addresses the system impact of a component failure without the necessity of identifying the intrasystem secondary failures. Each line connecting functions on the diagram is documented by a punchcard, with the lower function providing the "alpha designator" and the higher function's alpha designator indicator as the "dependent function". *

*The card deck also documents functional relationships not shown on the diagram; the work unit codes (mentioned earlier) and the "S" cards discussed in paragraph C.3.1.

APPENDIX D
FSPT DOCUMENTATION OF C-130E AIRCRAFT

FSPT DOCUMENTATION OF C-130E AIRCRAFT

This appendix contains the functional relationship diagrams and a listing of the keypunch cards that comprise the C-130E aircraft FSPT safety model documentation.

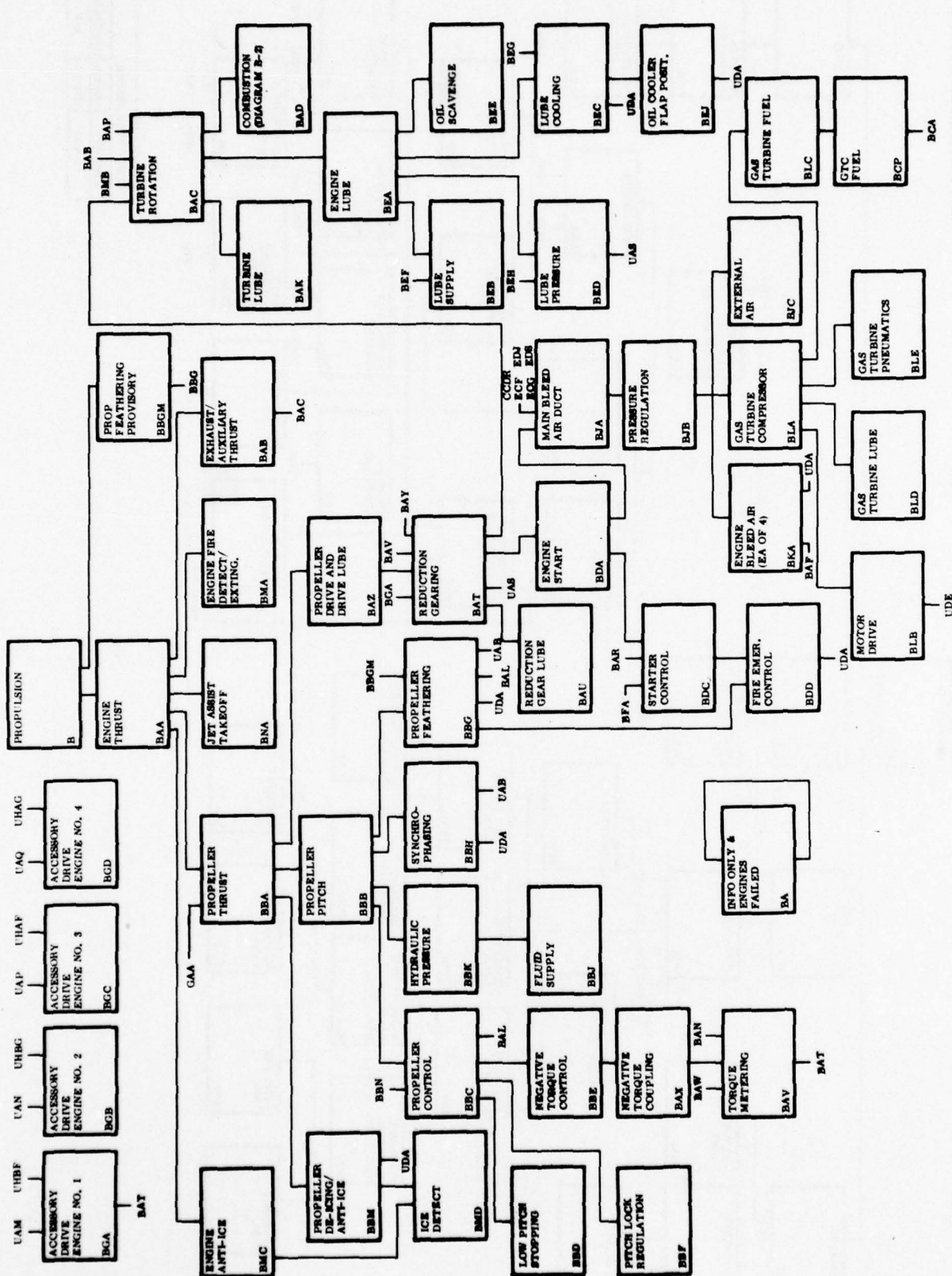
D.1 DIAGRAMS

The diagrams illustrating the functional relationships considered in the C-130E safety model will be found on pages D-5 through D-23, and are listed below:

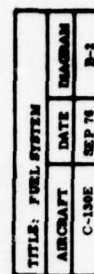
	<u>Diagram</u>	<u>Page</u>
Propulsion		
Fuel System	B-1	D-5
Fuel System	B-2	D-6
Communications/Navigation/Identification		
Comm/Nav/Ident	C-1	D-7
Comm/Nav/Ident	C-2	D-8
Comm/Nav/Ident	C-3	D-9
Information and Displays		
Info & Displays	D-1	D-10
Environmental Control		
Environment	E-1	D-11
Environment	E-2	D-12
Environment	E-3	D-13
Flight Control		
Flight Control	F-1	D-14
FC/Yaw Control	F-2	D-15
FC/Pitch Control	F-3	D-16
FC/Roll Control	F-4	D-17
Ground Control	G-1	D-18
Mission Support	M-1	D-19
Landing Gear	N-1	D-20
Utilities		
Main AC Power	UA-1	D-21
DC Power	UD-1	D-22
Hydraulics	UH-1	D-23

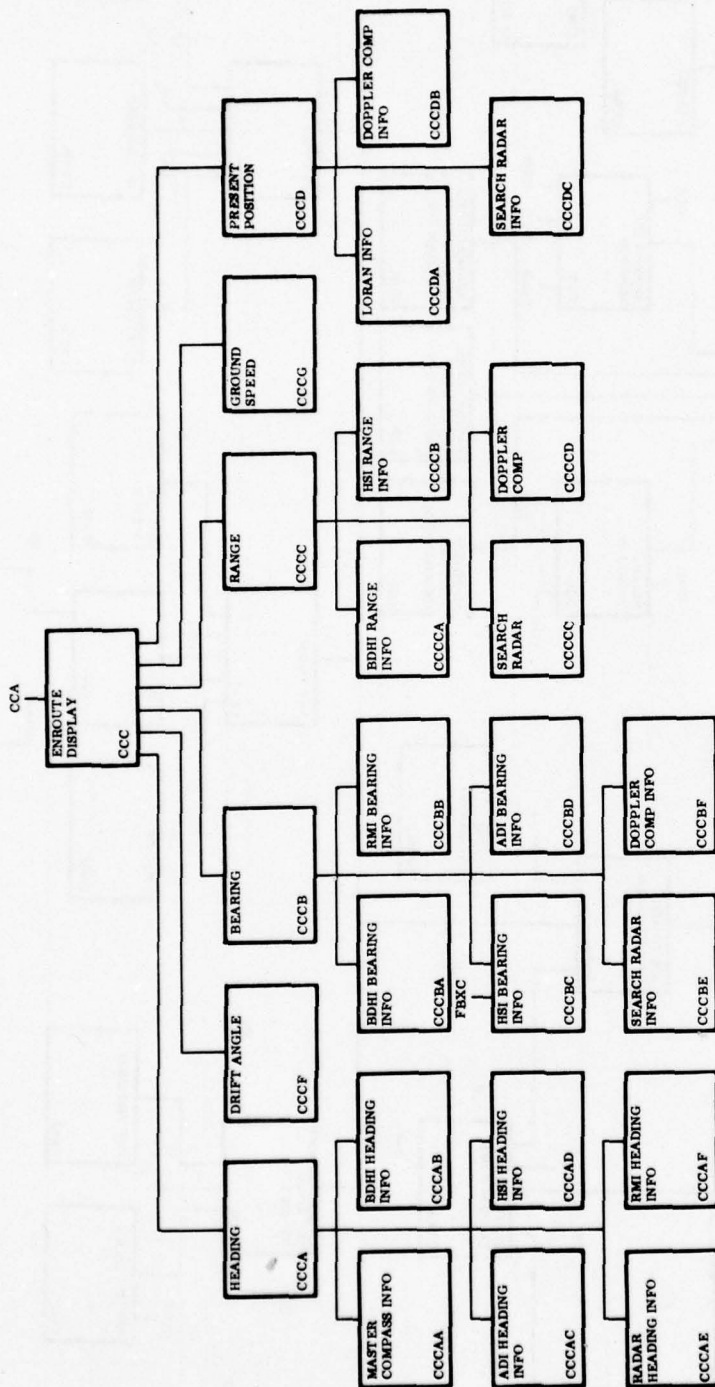
D.2 CARD LISTING

Pages D-25 through D-112 are a reproduction of the punchcard listing. The listing is alphabetical by "alpha designator", and the format is that of the 80-column punchcard itself as described in Appendix C. At the top of each page the card columns are printed vertically; for example, column 34 is printed " $\frac{3}{4}$ ".

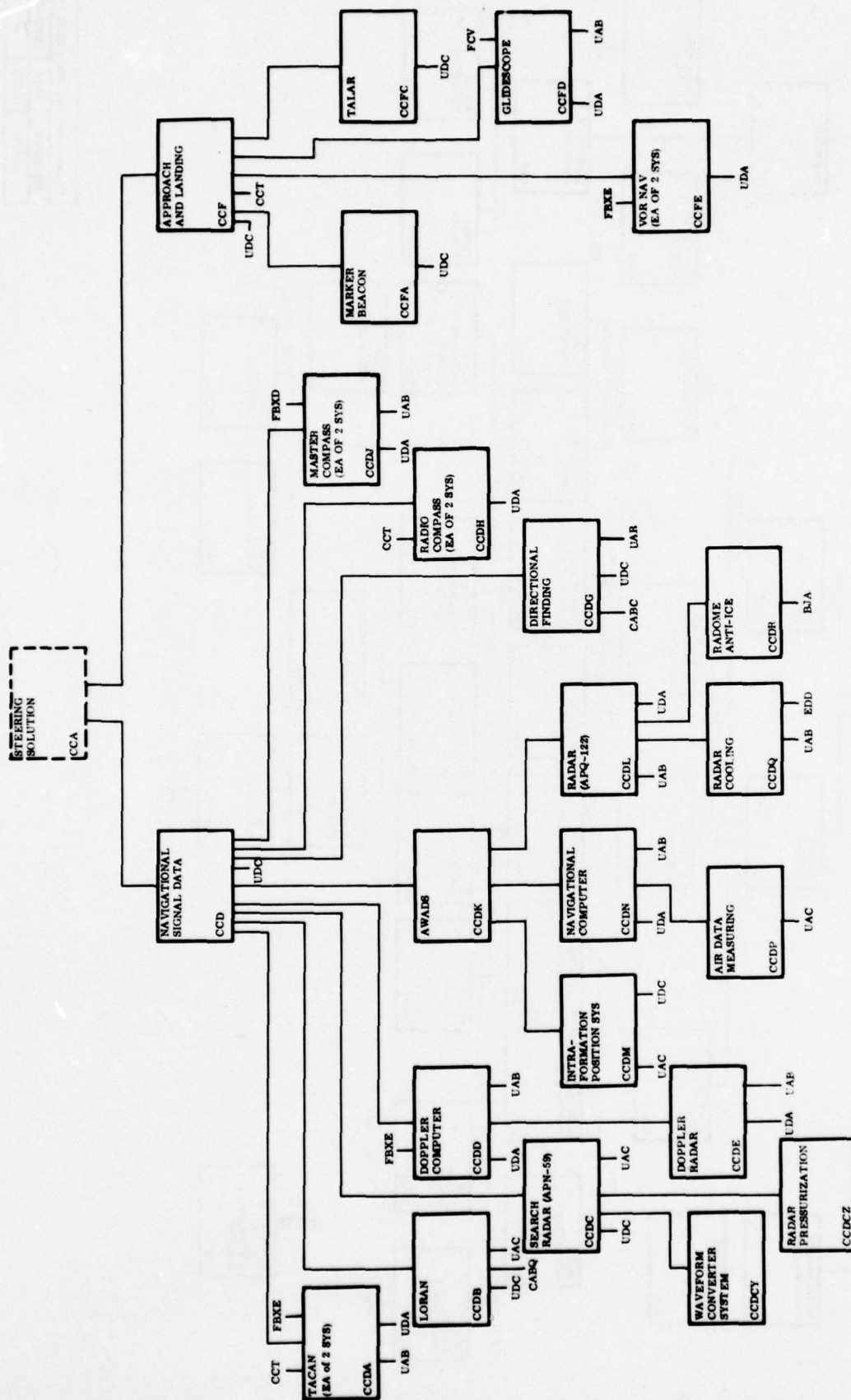


TITLE: FUEL SYSTEM		
AIRCRAFT	DATE	DIAGRAM
C-130E	SEP 76	B-1

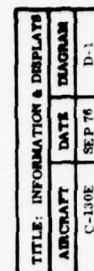


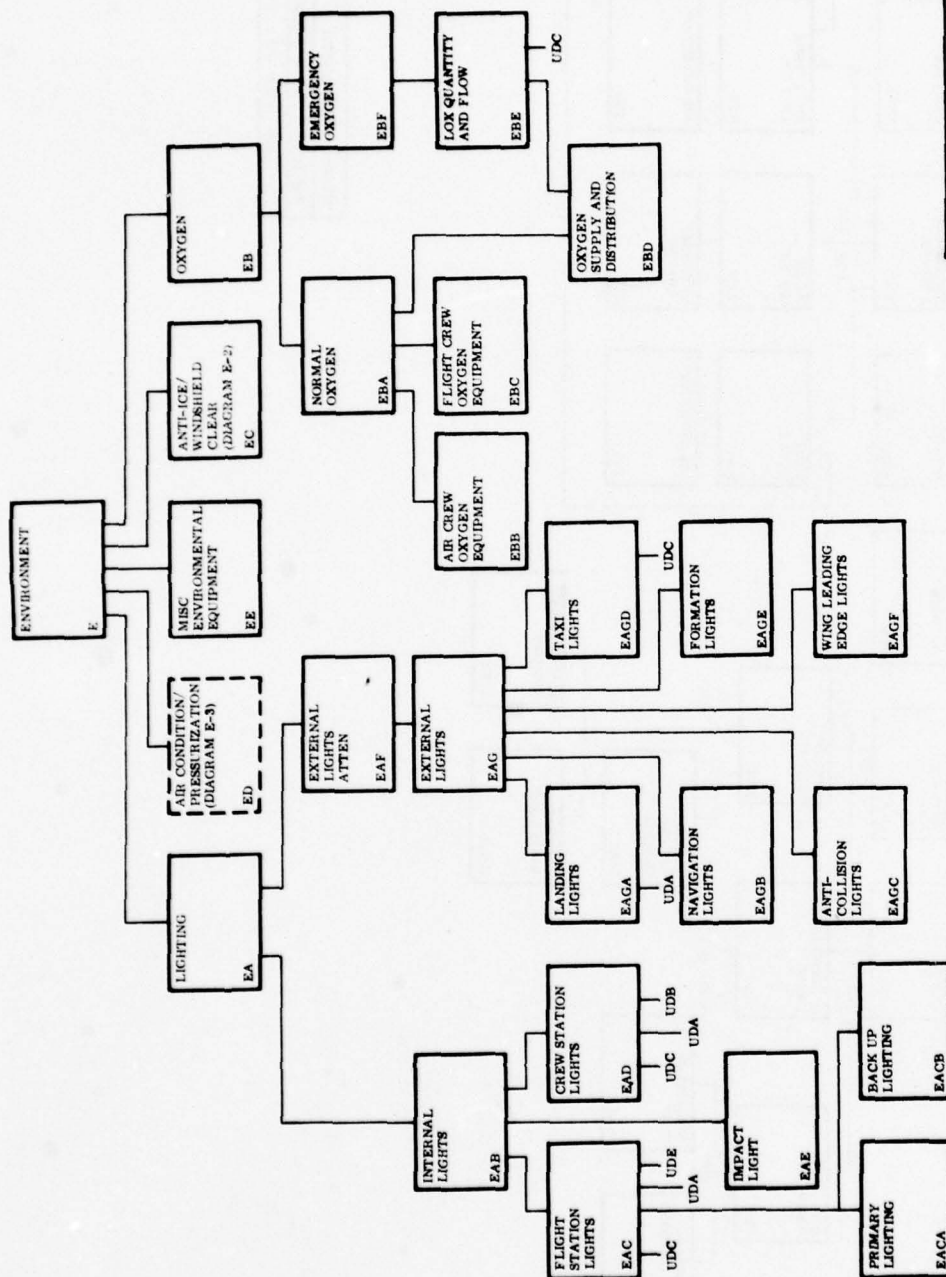


TITLE: COMM NAV IDENT		
AIRCRAFT	DATE	DIAGRAM
C-130E	SEP 76	C-2

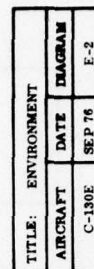


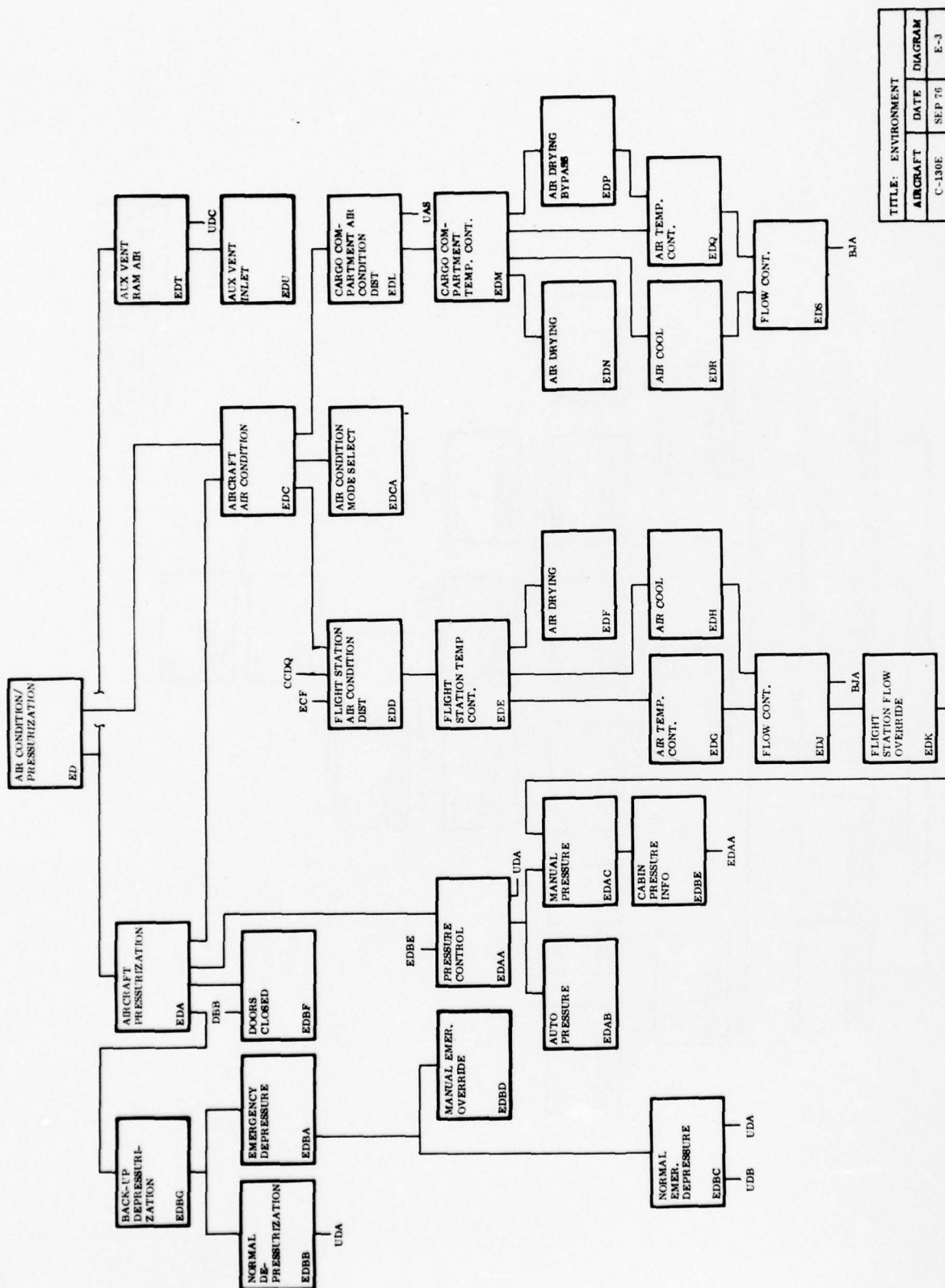
TITLE: COMM/NAV/IDENT			
AIRCRAFT	DATE	DIAGRAM	
C-130E	SEP 76	C-3	



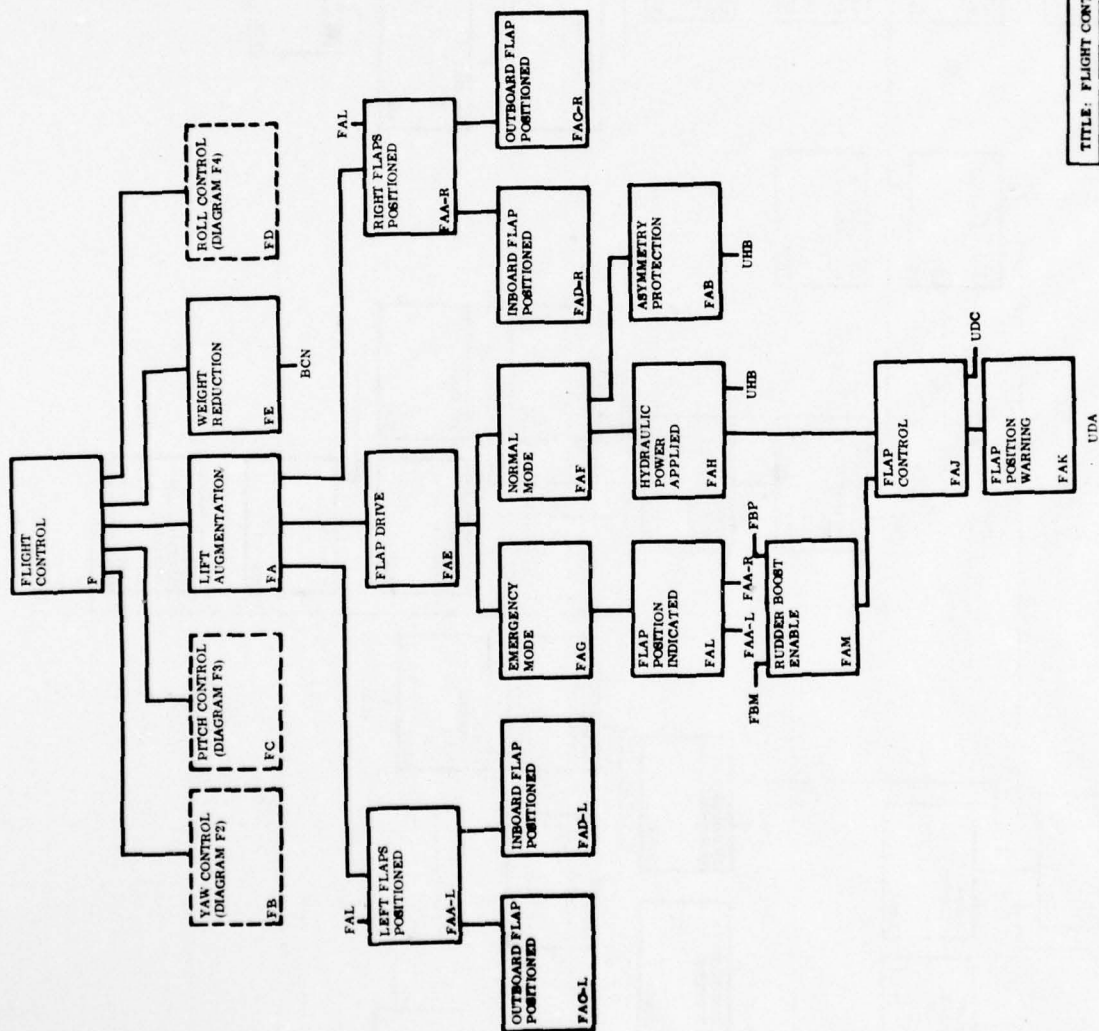


TITLE: ENVIRONMENT		
AIRCRAFT	DATE	DIAGRAM
C-130E	SEP 76	E-1

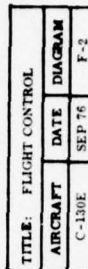


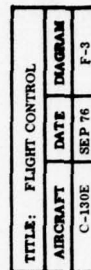


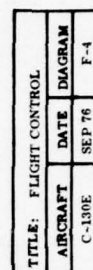
TITLE: ENVIRONMENT		
AIRCRAFT	DATE	DIAGRAM
C-130E	SEP 76	E-3

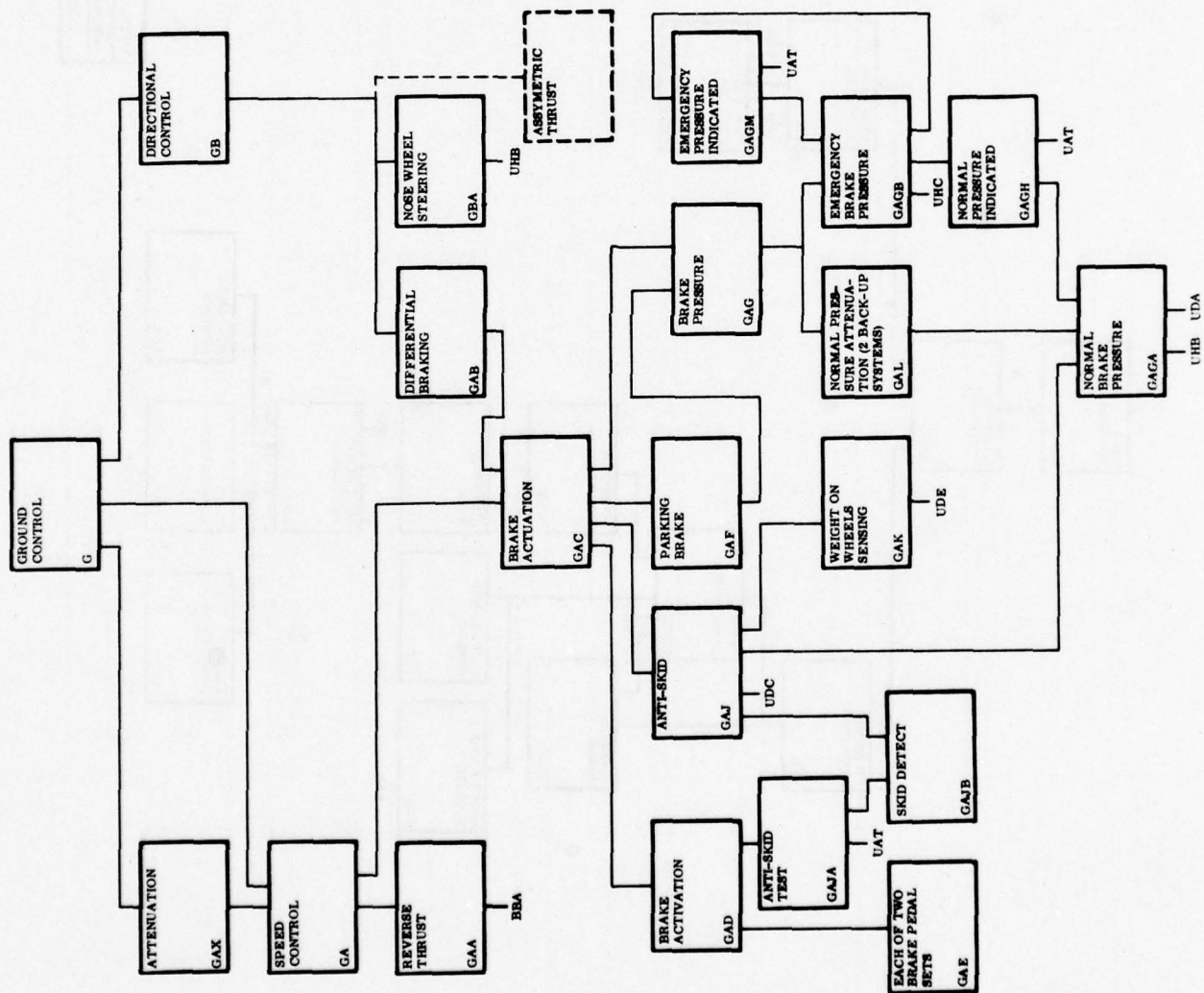


TITLE: FLIGHT CONTROL		
AIRCRAFT	DATE	DIAGRAM
C-130E	SEP 76	P-1

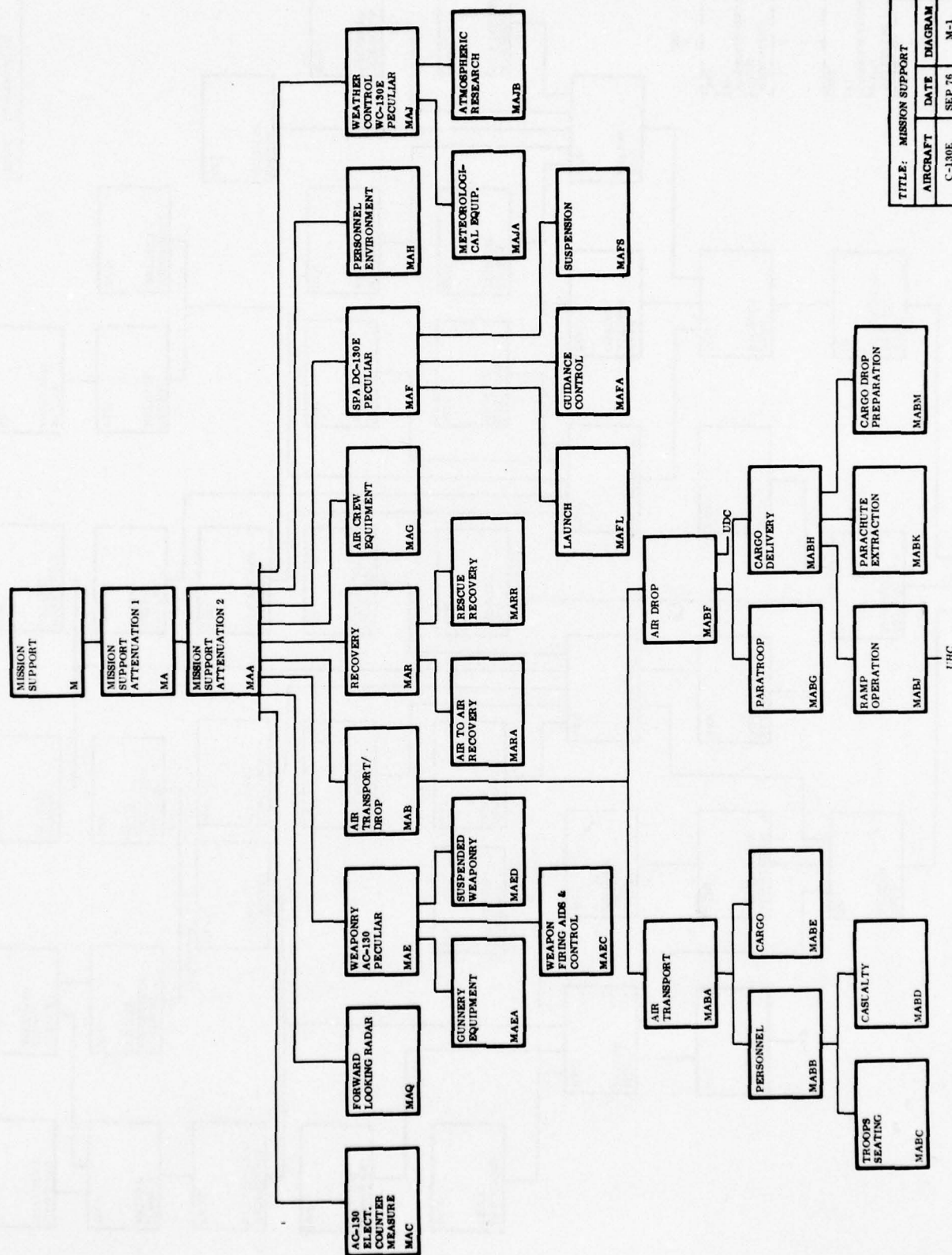






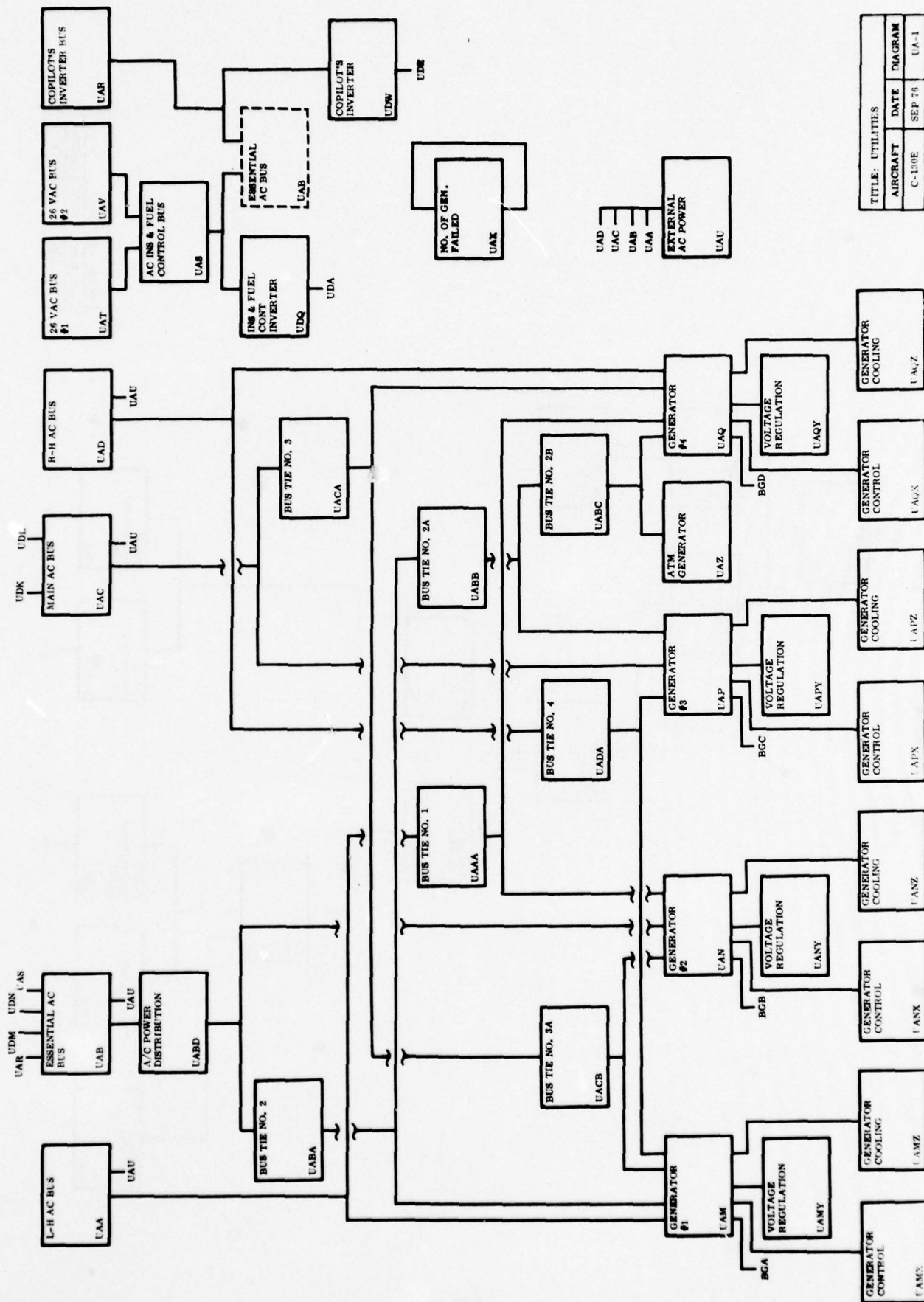


TITLE: GROUND CONTROL		
AIRCRAFT	DATE	DIAGRAM
C-130E	SEP 76	G-1

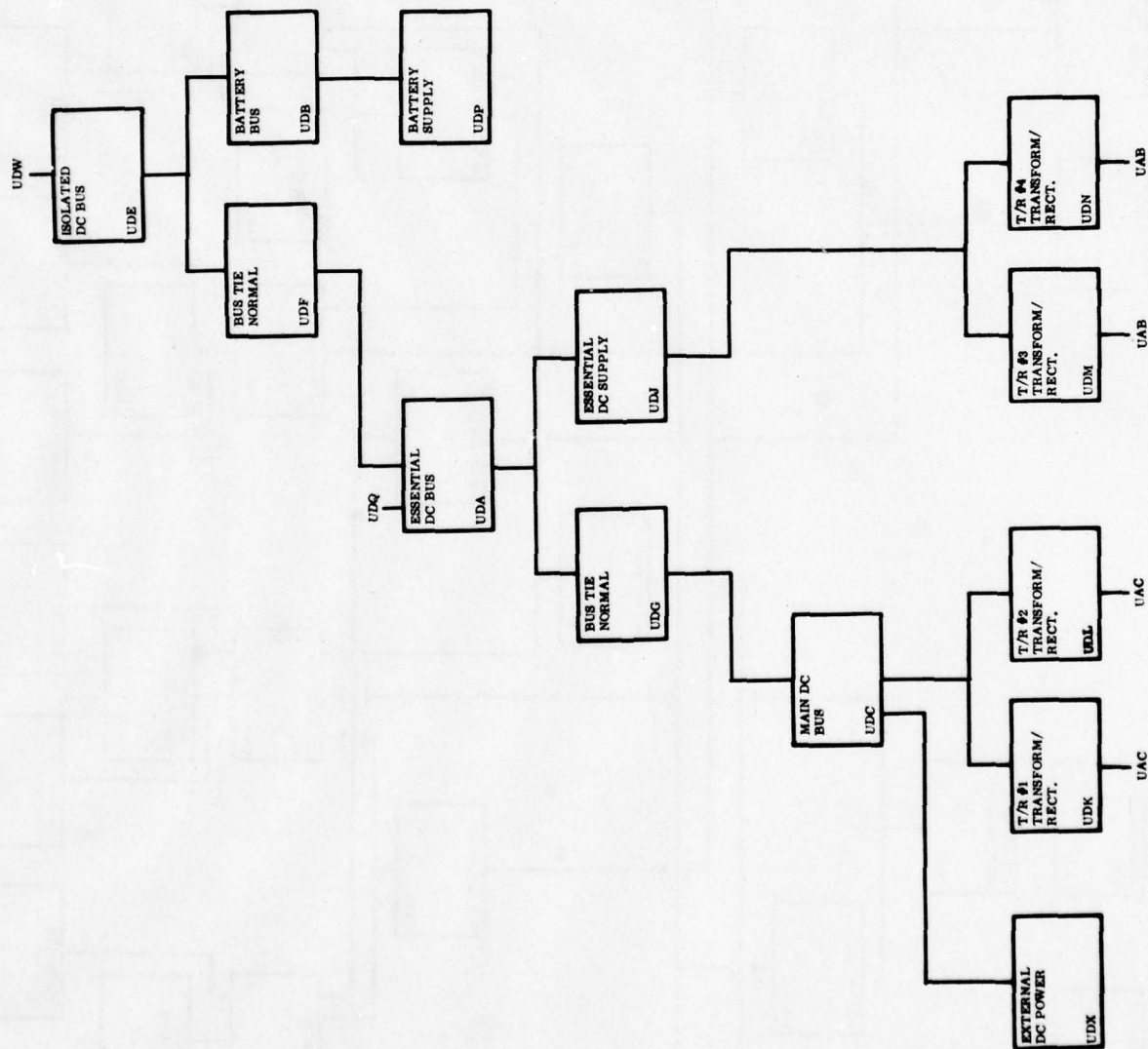


TITLE: MISSION SUPPORT		
AIRCRAFT	DATE	DIAGRAM
C-130E	SEP 76	M-1

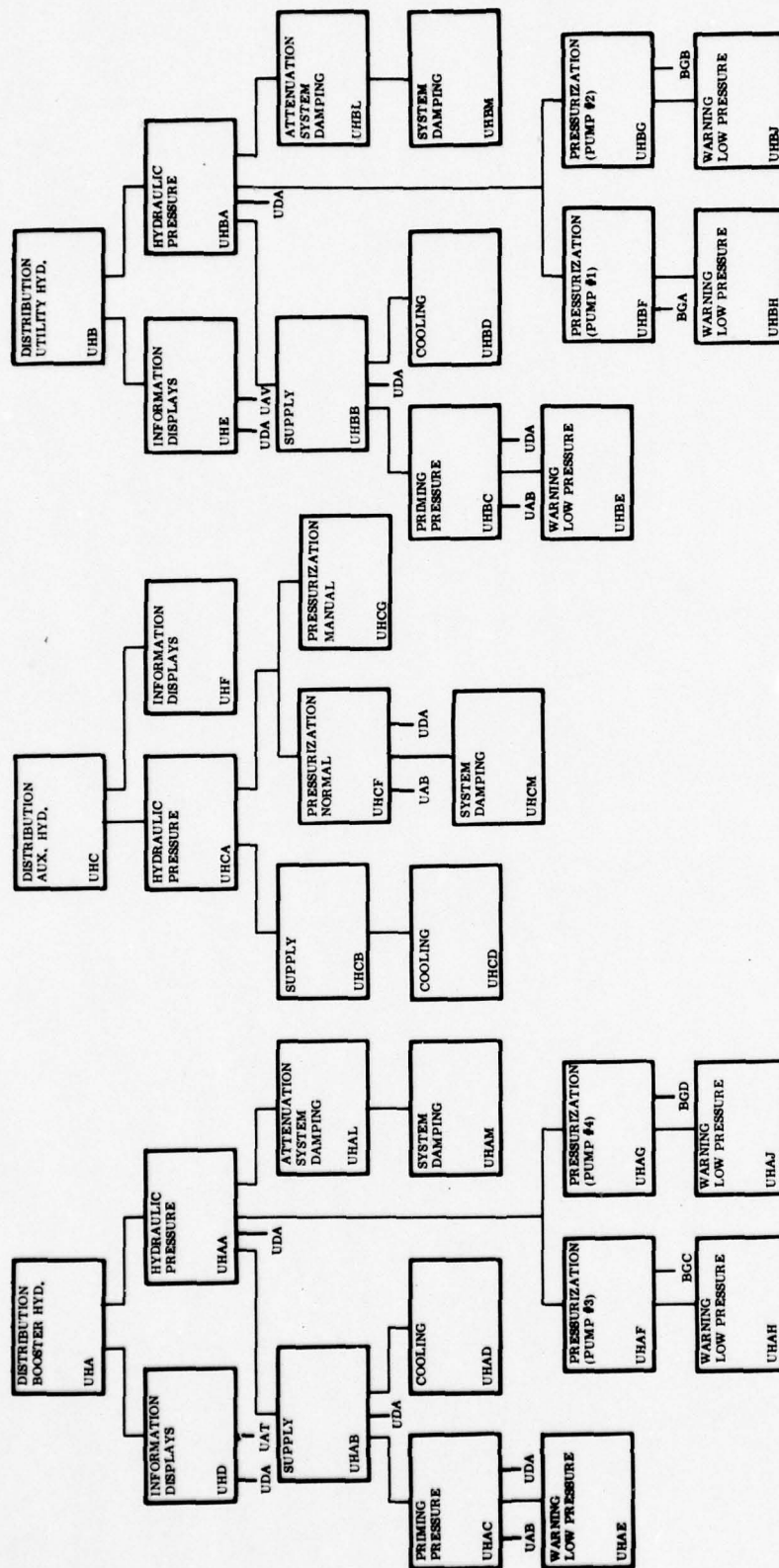
UHC



TITLE: UTILITIES	DATE	DIAGRAM
AIRCRAFT	SEP 75	UA-1
C-130E		



TITLE: UTILITIES		
AIRCRAFT	DATE	DIAGRAM
C-130E	SEP 76	UD-1



TITLE: UTILITIES		
AIRCRAFT	DATE	DIAGRAM
C-130E	SEP 76	UH-1

PGG095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

00000000011111111122222222223333333333334444444444555555555566666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890

PGG095.J1CC C-130E 30E

30E PROPULSION		B		AAAAAAAAA
30E INFO ONLY,X ENGINES FAILED		BA	BA	FOOOOOOOO
30E ENGINE THRUST #1 OF 4<		BAA	B	5 BA
30E QEC KIT W/O BASIC ENGINE	22ZAA	BAAAA	BAA	0
30E ENGINE,BASIC	22ZAB	BAAAB	BAA	0
30E ENGINE AND QEC ASSY	22ZAC	BAAAC	BAA	0
30E NACELLE	22BAO	BAAAZJ	BAA	0
30E NACELLE	22CAO	BAAAZK	BAA	0
30E ENGINE AND QEC	22ZAO	BAAAZL	BAA	0
30E EXHAUST-AUXILIARY THRUST		BAB	BAA	111111111
30E TAIL PIPE	22CAA	BABAA	BAB	3
30E TAIL PIPE CLAMP	22CAB	BABAB	BAB	1
30E DEFLECTOR	22CAC	BABAC	BAB	2
30E TAIL PIPE BLANKET	22CAD	BABAD	BAB	0
30E EXHAUST CONE	22CAE	BABAE	BAB	2
30E TAIL PIPE SHIELD	49417	BABZZG	BAB	0
30E TURBINE ROTATION		BAC	BAB	FAAAAAAAAAA
30E TURBINE ROTATION		BAC	BAP	FAAAAAAAAAA
30E TURBINE ROTATION		BAC	BAT	AAAAAAAAAAA
30E TURBINE ROTATION		BAC	BMB	FAAAAAAAAAA
30E BOLT ASSY,COMP-TRBN TIE	2245H	BACVB	BAC	A
30E CONE ASSY,INNER REAR	2245G	BACVG	BAC	A
30E SUPPORT ASSY	2245I	BACVZA	BAC	A
30E SEAL ASSY,OIL,REAR BRNG	22452	BACVZB	BAC	3
30E CONE ASSY FRONT EXH,INNER	22453	BACVZC	BAC	A
30E INSULATION BLNKT REAR BRG	22454	BACVZD	BAC	0
30E SPACER,REAR HEA ING SEAL	22455	BACVZE	BAC	A
30E CAGE,REAR BEARING	22457	BACVZG	BAC	A
30E BEARING,TURBINE REAR	22458	BACVZH	BAC	A
30E SUPPORT,PEAP TURBINE RBNG	2245C	BACVZJ	BAC	0
30E WHEEL	2244I	BACWZA	BAC	A
30E BLADE	22442	BACWZB	BAC	1
30E SPACER	22443	BACWZC	BAC	1
30E SHAFT	22444	BACWZD	BAC	A
30E BOLT,TURBINE CLAMP	22445	BACWZE	BAC	1
30E TURBINE ROTOR ASSY A-7	22446	BACWZF	BAC	A
30E TURBINE ROTOR ASSY A-9	22447	BACWZG	BAC	A
30E TURBINE ROTOR ASSY A-15	22448	BACWZH	BAC	A
30E TURBINE ROTOR SYSTEM	2244C	BACWZJ	BAC	2
30E CASING	2243I	BACXZA	BAC	1
30E VANE ASSY,STAGE 2	22432	BACXZB	BAC	A
30E VANE ASSY,STAGE 3	22433	BACXZC	BAC	A
30E VANE ASSY,STAGE 4	22434	BACXZD	BAC	A
30E CASING ASSY TURBINE VANE	2243C	BACXZJ	BAC	1
30E VANE ASSY STAGE 1	2241A	BACZA	BAC	A
30E SUPPORT,VANE AND SEAL	2241H	BACZB	BAC	1
30E BAFFLE,COOLING AIR	2241C	BACZC	BAC	1
30E CASING,INLET STUDDING	2241I	BACZZA	BAC	1
30E SEAL,LABYRINTH,FRNT BRNG	22412	BACZZB	BAC	3

PGG095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

000000001111111112222222233333333334444444444555555555666666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890

301	RING, SPLIT SEAL	22413	BACZZC	BAC	A
301	SUPPORT, TURB FRONT BRNG	22414	BACZZD	BAC	1
301	CAGE, FRONT BRNG	22415	BACZZE	BAC	A
301	BEARING, FRONT	22416	BACZZF	BAC	A
301	ADAPTER, TURBINE COUPLING	22417	BACZZG	BAC	A
301	COUPLING TURBINE SHAFT	22418	BACZZH	BAC	A
301	CASING ASSY TURBINE INLET	22419	BACZZJ	BAC	1
301	COMBUSTION		BAD	BAC	AAAAAAAAA
301	MOUNT, IGNITER FERRULE	22321	BADYZA	BAD	1
301	FERRULE, FUEL NOZZLE	22322	BADYZB	BAD	6
301	DOME	22323	BADYZC	BAD	1
301	CORRGATION	22324	BADYZD	BAD	1
301	SECTION	22325	BADYZE	BAD	1
301	TRANSITION ASSY	22326	BADYZF	BAD	1
301	TUBE, CROSSOVER	22327	BADYZG	BAD	1
301	LINER ASSY	22328	BADYZH	BAD	1
301	COMBUSTION LINER ASSY	22329	BADYZJ	BAD	2
301	CASING, OUTER	22311	BADZZA	BAD	A
301	CASING, INNER	22312	BADZZB	BAD	5
301	CASING, LINER, INNER CASING	22313	BADZZC	BAD	2
301	SHAFT, TURBINE COUPLING	22314	BADZZD	BAD	A
301	TUBE ASSY, PRESS OIL INNER	22315	BADZZE	BAD	A
301	TUBE ASSY, SCAVENGE OUTLET	22316	BADZZF	BAD	A
301	VALVE ASSY, DRAIN	22317	BADZZG	BAD	1
301	COMBUSTION SYS COMPONENTS	22318	BADZZJ	BAD	0
301	DIFFUSION		BAE	BAD	AAAAAAAAA
301	CAGE, REAR COMPRESSOR BRNG	2224A	BAEWA	BAE	A
301	JET ASSY, REAR COMP BRNG	2224B	BAEWB	BAE	A
301	SEAL, ROTATING, REAR INNER	2224C	BAEWC	BAE	2
301	SEAL, REAR BEARING OUTER	2224D	BAEWD	BAE	2
301	SLEEVE, DIFFUSER, IN CASING	2224E	BAEWE	BAE	2
301	COUPLING, SHAFT	2224F	BAEWG	BAE	A
301	DIFFUSER ASSY	2224I	BAEWZA	BAE	2
301	VANE ASSY 14TH STAGE OUT	2224J	BAEWZB	BAE	A
301	SEAL, LABYRINTH, STATOR PRI	2224K	BAEWZC	BAE	2
301	SEAL, LABY, ROTATE, REAR PRI	2224L	BAEWZD	BAE	2
301	SEAL, LABYRINTH STATOR SEC	2224M	BAEWZE	BAE	2
301	SEAL, LABY ROTATE REAR SEC	2224N	BAEWZF	BAE	2
301	FLANGE, REAR REAR SEAL	2224O	BAEWZG	BAE	2
301	BEARING, BALL, REAR COMP	2224P	BAEWZH	BAE	A
301	COMPRESSOR DIFFUSER	2224Q	BAEWZJ	BAE	2
301	COMPRESSION		BAF	BAE	AAAAAAAAA
301	COMPRESSION		BAF	BAE	AAAAAAAAA
301	WHEEL	22231	BAFXZA	BAF	A
301	BLADE	22232	BAFXZB	BAF	A
301	PLATE RETAINER	22233	BAFXZC	BAF	A
301	BOLT, TIE	22234	BAFXZD	BAF	1
301	SEAL, LABYRINTH	22235	BAFXZE	BAF	2
301	SEAL, LABYRINTH, OUTER	22236	BAFXZF	BAF	2
301	ROTOR ASSY-15	22238	BAFXZH	BAF	A

PGG095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

0000000011111111122222222233333333344444444455555555566666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890

30E COMPRESSOR ROTOR	22230	BAFXZJ	BAF	0
30E CASE ASSY	22221	BAFYZA	BAF	1
30E MANIFOLD ASSY 5TH STAGE	22222	BAFYZB	BAF	2
30E MANIFOLD ASSY 5TH OFFSET	22223	BAFYZC	BAF	2
30E MANIFOLD ASSY 10TH STAGE	22224	BAFYZD	BAF	2
30E MANIFOLD ASSY 10TH OFFSET	22225	BAFYZE	BAF	2
30E VANE ASSY, STATOR	22226	BAFYZF	BAF	A
30E SEAL, COMPRESSOR AIR	22227	BAFYZG	BAF	1
30E TUBE, DIFFUSER VENT	22228	BAFYZH	BAF	1
30E COMPRESSOR CASE	22220	BAFYZJ	BAF	0
30E COMPRESSOR AIR INLET		BAG	BAF	111111111
30E DUCT ASSY, ENG AIR	22BAJ	BAGAJ	BAG	2
30E HALF RING, ENG AIR DUCT	22BAK	BAGAK	BAG	2
30E SEAL, AIR INLET SHAFT	22BAL	BAGAL	BAG	1
30E CLAMP, AIR DUCT	22EAM	BAGAM	BAG	1
30E RETAINER ASSY, SHAFT SEAL	22BAN	BAGAN	BAG	1
30E GENERATOR BLAST TUBE	22BAP	BAGAP	BAG	1
30E SCOOP, ENGINE AIR	22BAR	BAGAR	BAG	1
30E GUIDE VANE	22BRD	BAGBD	BAG	1
30E AIR INLET SECTION	22BRG	BAGBZJ	BAG	0
30E HOUSING ASSY, EXTEND SHAFT	2221A	BAGZA	BAG	2
30E SLEEVE, OIL INLET	2221R	BAGZR	BAG	2
30E JET ASSY FRONT COMP BRNG	2221C	BAGZC	BAG	2
30E NOZZLE, OIL, TORQUE BRNG	2221D	BAGZD	BAG	3
30E BEARING, ROLLER, FRONT COMP	2221E	BAGZE	BAG	A
30E VANE ASSY, INLET	2221G	BAGZG	BAG	3
30E BODY ASSY, CYCLONIC BREATH	2221H	BAGZH	BAG	3
30E COVER ASSY, CYCLON BREATH	2221J	BAGZJ	BAG	3
30E HOUSING ASSY	22211	BAGZZA	BAG	2
30E RING, HOUSING AFT PILET	22212	BAGZZB	BAG	2
30E RING, FWD FLANGE REPLACE	22213	BAGZZC	BAG	2
30E INTAKE SHIELD	4941B	BAGZZH	BAG	0
30E AIR INLET HSNG COMPONENTS	22210	BAGZZJ	BAG	0
30E DIFFUSER LUBE		BAJ	BAE	AAAAAAAAA
30E BEARING, BALL DRIVEN GEAR	2225A	BAJVA	BAJ	A
30E SHAFTGEAR, OIL PUMP	2225B	BAJVB	BAJ	A
30E GEAR, IDLER, OIL PUMP	2225C	BAJVC	BAJ	A
30E BODY ASSY	22251	BAJVZA	BAJ	1
30E COVER	22252	BAJVZB	BAJ	0
30E GEAR, DRIVE	22253	BAJVZC	BAJ	A
30E RAFFLE	22254	BAJVZD	BAJ	0
30E GEAR INTERMEDIATE	22255	BAJVZE	BAJ	A
30E SHAFTGEAR INTERMEDIATE	22256	BAJVZF	BAJ	A
30E BEARING, BALL INT. SHAFT GP	22257	BAJVZG	BAJ	A
30E GEAR, DIFFUSER PUMP, DRIVEN	22258	BAJVZH	BAJ	A
30E COMP DIFF SCAVENGE PUMP	22250	BAJVZJ	BAJ	A
30E TURBINE LUBE		BAK	BAC	AAAAAAAAA
30E BRACKET	22AAC	BAKCC	BKA	1
30E BODY ASSY	22461	BAKUZA	BAK	1
30E SHAFTGEAR	22462	BAKUZB	BAK	A

PGG095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

0000000011111111222222223333333344444444555555556666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890

30E	GEAR,OIL PUMP DRIVE	22463	BAKUZO	BAK	A
30E	GEAR,OIL PUMP IDLER	22464	BAKUZO	BAK	A
30E	SHAFT,PUMP IDLER GEAR	22465	BAKUZE	BAK	A
30E	COVER	22466	BAKUZF	BAK	O
30E	SCRFEN	22467	BAKUZO	BAK	O
30E	PUMP ASSY	22468	BAKUZH	BAK	2
30E	REAR TURBINE SCAVENGE PMP	22469	BAKUZI	BAK	O
30E	TUBE ASSY,BEARING OIL	22470	BAKYA	BAK	A
30E	TUBE,IRBN SCAVENGE OIL RT	22471	BAKYC	BAK	A
30E	GEARSHAFT,REAR SCV PMP DR	22472	BAKYD	BAK	A
30E	SUPPORT ASSY,SCAVENGE PMP	22473	BAKVE	BAK	1
30E	INSULATION BLNKT REAR PMP	22474	BAKVF	BAK	O
30E	COUPLING PUMP DRIVE	22475	BAKVH	BAK	A
30E	SLINGER,REAR FEARING OIL	22476	BAKVZF	BAK	A
30E	GEAR,DRIVE PUMP	22477	BAKYA	BAK	A
30E	SHAFTGEAR,PUMP	22478	BAKYB	BAK	A
30E	GEAR ASSY,OIL PUMP IDLER	22479	BAKYC	BAK	A
30E	SHAFT,PUMP IDLER GEAR	22480	BAKYD	BAK	A
30E	PUMP ASSY	22481	BAKYF	BAK	2
30E	HOUSING,PUMP,REAR	22482	BAKYZA	BAK	O
30E	HOUSING,PUMP,FRONT	22483	BAKYZB	BAK	O
30E	BODY ASSY,PUMP	22484	BAKYZC	BAK	1
30E	SHAFTGEAR,PUMP IDLER	22485	BAKYZD	BAK	A
30E	BRNG,BALL IDLER SHAFTGEAR	22486	BAKYZE	BAK	A
30E	SHAFTGEAR,PUMP DRIVE	22487	BAKYZF	BAK	A
30E	BEARING,DRIVE SHAFTGEAR	22488	BAKYZG	BAK	A
30E	GEAR,PUMP IDLER	22489	BAKYZH	BAK	A
30E	TURBINE FRONTSCAVENGE PMP	22490	BAKYZI	BAK	O
30E	ENG CONTROL/COORDINATION		BAL	BAK	AAAAA
30E	ENG CONTROL/COORDINATION		BAL	BAK	AAAAA
30E	ENG CONTROL/COORDINATION		BAL	BAK	F111111111
30E	COORDINATOR,CONTROL	22EAG	BALAG	BAL	A
30E	MANUAL CONTROL		BAM	BAK	K BAN AAAAAA
30E	CABLE,TENSION REGULATOR	22EAD	BAMAD	BAM	2
30E	GIMBAL RINGS	22EAE	BAMAE	BAM	A
30E	GIMBAL PINS	22EAF	BAMAF	BAM	A
30E	TRANSFER ASSY	22EAG	BAMAJ	BAM	A
30E	BEARING	22EAK	BAMAK	BAM	2
30E	ROD ENDS	22EAL	BAMAL	BAM	O
30E	PUSH-PULL ROD	22EAP	BAMAP	BAM	A
30E	CABLES	22EAG	BAMAQ	BAM	2
30E	MECHANICAL	22EAC	BAMAZJ	BAM	O
30E	AUTOMATIC CONTROL		BAN	BAL	RAM 111111111
30E	TEMPERATURE DATUM SYSTEM		BAP	BAM	AAAAA
30E	TEMPERATURE DATUM SYSTEM		BAP	BAM	AAAAA
30E	THERMOCOUPLE 20 EACH	22EPD	BAPDC	BAP	1
30E	CONTROL THERM ENG DISC.	22EPD	BAPDD	BAP	A
30E	AMPLIFIER,TEMP DATUM	22EPD	BAPDDA	BAP	A
30E	ENG RLY BOX/JNC BOX TEMP	22EPF	BAPDF	BAP	A
30E	DATUM AMP TO ENG HARNESS	22EPF	BAPDF	BAP	A

PGG195.JIRL DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

00000000111111112222222233333333444444445555555566666666777777778
1234567890123456789012345678901234567890123456789012345678901234567890

30F JUNCTION BOX	22186	BAPBG	BAP	A
30F TEMP DATUM AMP MOUNTS	22EBJ	BAPBJ	BAP	U
30F PREHEAT ACTUATOR	22FLK	BAPBK	BAP	A
30F THERMOCOUPLE HARNESS	22FEL	BAPBL	BAP	A
30F ELECTRICAL	22FBO	BAPBJJ	BAP	0
30F TEMP DATUM CONTROL VLV	22531	BAPXZA	BAP	A
30F TEMP DATUM VLAWE	22532	BAPXZB	BAP	A
30F FUEL PRESSURE WARNING		BAQ	BAM	000000000
30F SENSING LINE XHOSE<	22527	BAOXZG	BAJ	A
30F SW ASSY,PRESS FUEL FILTER	2251F	BAQZF	BAJ	A
30F PRESS SIGNAL ASSY	2251B	BAQZZH	BAJ	A
30F FUEL INLET CONTROL		BAR	BAJ	AAAAAAAAA
30F FUEL INLET/CONTROL		BAR	BAJ	FAAAAAAAAAA
30F FUEL CONTROL ACCESS	22PAD	BARAD	BAR	0
30F FUEL SHUTOFF VALVE	2253A	BARXA	BAR	0
30F PRESSURIZING VALVE	2253B	BARXB	BAR	A
30F PRESS RELIEF VALVE	2253C	BARXC	BAR	1
30F SERVO-VALVE	22530	BARXD	BAR	A
30F MANIFOLD DRAIN VLAWE	22533	BARXZG	BAR	0
30F FUEL HEATER DRAIN VALVE	22535	BARXZL	BAR	0
30F PARALLELING VALVE	22536	BARXZF	BAR	1
30F CHECK VALVE	22537	BARXZG	BAR	1
30F FIREWALL SHUTOFF VALVE	46237	BARXZGA	BAR	1
30F BYPASS VALVE	22538	BARXZH	BAR	1
30F VALVES	22530	BARXZJ	BAR	0
30F HOSE,HEATER	22521	BARYZA	BAR	A
30F FUEL INLET HOSE	22522	BARYZB	BAR	A
30F LOW PRESSUREXHOSE<	22523	BARYZC	BAR	A
30F HOSE,ENGINE	22524	BARYZD	BAR	A
30F HIGH PRESSURE XHOSE<	22525	BARYZE	BAR	A
30F FUEL HEATER XHOSE<	22526	BARYZF	BAR	A
30F HOSES,FUEL	22520	BARYZJ	BAR	0
30F SENSING TIP	2251A	BARZA	BAR	A
30F FILTER ELEMENT,HIGH PRESS	2251B	BARZB	BAR	1
30F FUEL HEATER	2251C	BARZC	BAR	4
30F SEAL GARLOC	2251D	BARZD	BAR	A
30F FUEL CONTROL	2251E	BARZE	BAR	8
30F FILTER ELEMENT,LOW PRESS	2251G	BARZG	BAR	1
30F PUMP,FUEL	22511	BARZZA	BAR	1
30F FILTER ASSY,LOW PRESS	22512	BARZZB	BAR	1
30F MANIFOLD	22513	BARZZC	BAR	A
30F FILTER ASSY,HIGH PRESS	22514	BARZZD	BAR	1
30F NOZZLE	22515	BARZZE	BAR	1
30F SCREEN,FILTER	22516	BARZZF	BAR	1
30F HEATER,STRAINER	22517	BARZZG	BAR	1
30F FUEL SYSTEM	22510	BARZZJ	BAR	0
30F FUEL ENRICHMENT		BAS	BAS	AC0000000
30F FUEL ENRICHMENT SWITCH	225EE	BASBF	BAS	A
30F FUEL ENRICHMENT VALVE	22534	BASXZD	BAS	A
30F SWITCH,ENRICHMENT PRESS	2251H	BASZH	BAS	A

066095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

0000000001111111122222222233333333344444444455555555566666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890
300 REDUCTION GEARING BAT BAV FAAAAAAAAA
300 REDUCTION GEARING BAT BAV FAAAAAAAAA
300 REDUCTION GEARING BAT BAZ AAAAAAAAAA
300 REDUCTION GEARING BAT BGA FAAAAAAAAA
300 UNIT ASSY,REDUCTION GEAR 22691 BATRZA BAT 2
300 STRUT ASSY 22692 BATPZB BAT A
300 PIN,REDUCTION GR EYE BOLT 22693 BATPZC BAT 0
300 BOLT,CLEVIS 22694 BATRZD BAT 0
300 DRAIN PLUG,MAGNETIC 22695 BATRZE BAT 0
300 REDUCTION GEAR SYSTEM 22696 BATRZJ BAT 0
300 SHAFTGEAR ASSY,SPUR,PIN 22697 BATXA BAT A
300 BEARING,PINION 22698 BATXC BAT A
300 GAGE,FRONT PINION BRNG 22699 BATXD BAT A
300 SEAL,EXT SHAFT BRNG 22700 BATXG BAT 2
300 BRNG,CARRIER REAR 22701 BATXZA BAT A
300 GAGE,CARRIER REAR BRNG 22702 BATXZB BAT A
300 DIAPHRAGM 22703 BATXZC BAT A
300 GEAR ASSY,REDUCT MAIN GR 22704 BATXZD BAT A
300 BEARING 22705 BATXZE BAT A
300 GEAR,SUN 22706 BATXZF BAT A
300 HUB,SUN GEAR 22707 BATXZG BAT A
300 FLANGE,HUB 22708 BATXZH BAT A
300 MAIN DIAPHRAGM OR GEARS 22709 BATXZJ BAT 0
300 REDUCTION GEAR LURE BAI BAT AAAAAAAAAA
300 COVER ASSY,OIL PUMP BODY 22710 BAUSA BAI 0
300 CHECK VALVE,G/B OIL PMP 22711 BAUSB BAI 2
300 PUMP/FILTER ASSY PG OIL 22712 BAUSZA BAI 4
300 HOUSING ASSY 22713 BAUSZB BAI 1
300 FILTER ASSY 22714 BAUSZC BAI 1
300 VALVE ASSY,PRESSURE RLF 22715 BAUSZD BAI 2
300 SEAT,RY-PASS VLV 22716 BAUSZE BAI 2
300 GUIDE CHECK VLV 22717 BAUSZF BAI 2
300 RETAINER,CHECK VLV 22718 BAUSZG BAI 2
300 GEAR,OIL PUMP DRIVE SHAFT 22719 BAUSZH BAI A
300 GEAR,SCAVANGE PUMP PINION 22720 BAUXF BAI A
300 TORQUE METERING BAV BAN FAAAAAAAAA
300 TORQUE METERING BAV BAN FAAAAAAAAA
300 TORQUE METERING BAV BAX AAAAAAAAAA
300 NTS SIG ASSY 22671 BAVTZA BAV A
300 HOUSING ASSY 22672 BAVTZB BAV 1
300 COVER PLATE 22673 BAVTZC BAV 0
300 NEG TORQUE SIG SYSTEM 22674 BAVTZJ BAV 0
300 HOUSING ASSY 22675 BAVUA BAV 0
300 PICKUP ASSY,TORQUEMETER 22676 BAVUR BAV A
300 TUBE,BEARING LOCK 22677 BAVUC BAV A
300 BEARING 22678 BAVUD BAV A
300 DUCT ASSY,ANTI ICE COWL 22679 BAVUE BAV A
300 TORQUEMETER ASSY A-9 22680 BAVUF BAV A
300 TORQUEMETER ASSY A-7 22681 BAVUH BAV A
300 TORQUEMETER ASSY A-15 22682 BAVUJ BAV A

```


PGG 195, J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

00000000011111111122222222233333333344444444455555555566666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890

30E MEMBER, SAFETY COUP OUTER	22661	BAVUZA	BAV	A
30E SPRING, SAFETY COUPLING	22662	BAVUZB	BAV	A
30E MEMBER, SAFETY COUP INT	22663	BAVUZC	BAV	A
30E MEMBER, SAFETY COUP INNER	22664	BAVUZD	BAV	A
30E HOUSING, SAFETY COUPLING	22665	BAVUZE	BAV	A
30E SHAFT ASSY, TORQUE INNER	22666	BAVUZF	BAV	A
30E BEARING, MID	22667	BAVUZG	BAV	A
30E SHAFT, OUTER	22668	BAVUZH	BAV	A
30E TORQUE METER SYSTEM	22660	BAVUZJ	BAV	O
30E TORQUE METER INDICATED		BAW	BAW	I BAN 33333333
30E INDICATOR	2266A	BAWBA	BAW	A
30E DETECTOR PHASE RB	2266B	BAWBB	BAW	A
30E INDICATOR, INTEGRATED	2266F	BAWBE	BAW	A
30E TORQUE INDICATING SYSTEM	22660	BAWBZJ	BAW	O
30E NEGATIVE TORQUE COUPLING		BAX	BAX	AAAAAAAAAA
30E SHAFT, NTS DISARMING	22647	BAXRZG	BAX	A
30E COUPLING, RING GEAR	2261A	BAXZA	BAX	A
30E GEAR, RING	2261B	BAXZB	BAX	A
30E HOUSING, FRONT	22611	BAXZZA	BAX	O
30E ROD, REVERSE TORQUE SW ACT	22613	BAXZZC	BAX	A
30E PLUNGER, NEG TORQUE IND	22614	BAXZZD	BAX	A
30E PLATE, REVERSE TORQUE IND	22615	BAXZZF	BAX	A
30E RING REVERSE TORQUE SPINE	22616	BAXZZF	BAX	A
30E COUPLING, HELICAL SPLINE	22617	BAXZZG	BAX	A
30E RING, REVERSE TORQUE IND	22618	BAXZZH	BAX	A
30E NEGATIVE TORQUE COMPONENT	2261C	BAXZZJ	BAX	O
30E TACHOMETER		BAY	BAW	I BAN 11111111
30E INDICATOR	226AA	BAYAA	BAY	A
30E GENERATOR	226AB	BAYAB	BAY	A
30E TACH SYSTEM	226AC	BAYAZJ	BAY	O
30E GEAR, TACH DRIVE TAKEOFF	22655	BAYVZE	BAY	A
30E SHAFT ASSY, TACH DRIVE	2264A	BAYWA	BAY	A
30E GEAR, TACH AND OIL PMP DR	2264B	BAYWB	BAY	A
30E GEAR, TACH DRIVE IDLER	22646	BAYWZF	BAY	A
30E BEARING	22647	BAYWZG	BAY	A
30E GEAR	22648	BAYWZH	BAY	A
30E GEAR ASSY, SPUR, TACH DRIVE	2211F	BAYZF	BAY	A
30E BEARING, TACH DRIVE, FRONT	2211G	BAYZG	BAY	A
30E BEARING, TACH DRIVE, REAR	2211H	BAYZH	BAY	A
30E PROPELLER DRIVE		BAZ	BAZ	AAAAAAAAAA
30E ARM, PROP CONTROL	22696	BAZRZF	BAZ	A
30E BRACKET ASSY, PROP CONTROL	22698	BAZRZH	BAZ	A
30E CONE, INNER PROP BRAKE	2265E	BAZVE	BAZ	A
30E PROPELLER BRAKE ASSY	2264J	BAZWJ	BAZ	A
30E TUBE, CARRIER OIL	2262A	BAZYA	BAZ	A
30E CARRIER PLANET REAR	2262B	BAZYG	BAZ	A
30E GEAR AND BRNG ASSY PLANET	2262C	BAZYC	BAZ	A
30E SEAL, GEAR TO PROP SHAFT	2262D	BAZYD	BAZ	1
30E NUT, SPANNER	2262E	BAZYE	BAZ	A
30E SHAFT, PROPELLER	22621	BAZYZA	BAZ	A

PG095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

00000000111111112222222233333333334444444455555555666666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890

30F	PLATE, NOSE BEARING	22622	BAZYZR	BAZ	A
30F	BEARING, BALL	22623	BAZYZC	BAZ	A
30F	BEARING, ROLLER	22624	BAZYZO	BAZ	A
30F	GEAR, SPUR, SCAVENGE PMP DR	22625	BAZYZF	PAZ	A
30F	PUMP ASSY, SCAVENGE OIL	22626	BAZYZF	BAZ	A
30F	GEAR, MAIN PUMP DRIVE	22627	BAZYZG	BAZ	A
30F	FLANGE ASSY, CARRIER PII	22628	BAZYZH	BAZ	A
30F	PROP SHAFT/CARRIER COMP	22629	HAZYZJ	BAZ	0
30L	PROPELLER THRUST		BBA	BAA	AAAAAAAAA
30L	PROPELLER THRUST		BBA	GAA	FAAAAAAAAA
30E	PACKING, BLADE	325AA	BBAAB	BBA	4
30E	HARNES, PROP	22FBA	BBAAB	BBA	1
30E	BLADE ASSY	32510	BBAZD	BBA	3
30E	SHEATH, BLADE	3251E	BBAZL	BBA	A
30E	FAIRING	3251F	BBAZF	BBA	A
30E	COVERSTOCK	3251G	BBAZG	BBA	A
30E	HOUSING	3251H	BBAZL	BBA	8
30E	RING, SPINNER RETAINER	3251N	BBAZN	BBA	A
30E	CAP	3251P	BBAZP	BBA	4
30E	SPINNER ASSY	3251Q	BBAZQ	BBA	A
30E	SPINNER FRONT SECTION	3251R	BBAZP	BBA	A
30E	BULKHEAD FRONT	3251S	BBAZS	BBA	A
30E	AFTER BODY ASSY TOP HALF	3251T	BBAZT	BBA	A
30E	AFTER BODY ASSY BOT HALF	3251U	BBAZU	BBA	A
30L	SPINNER REAR SECTION	3251V	BBAZV	BBA	A
30L	BULKHEAD, SPINNER MOUNTING	3251W	BBAZW	BBA	A
30F	BLADE MARKING	3251X	BBAZX	BBA	0
30F	PROPELLER ASSY-COMLETE	32511	BBAZZA	BBA	0
30E	RATCHET	32513	BBAZLC	BBA	A
30E	HARREL ASSY	32515	BBAZZE	BBA	8
30F	NUT, PROPELLER RETAINING	32516	BBAZZF	BBA	A
30F	GEAR, BETA	32518	BBAZZH	BBA	A
30L	PROPELLER MODEL 54H60	32510	BBAZZJ	BBA	0
30E	PROPELLER PITCH		BBA	BBA	0A5555580
30E	SHAFT BETA	3251A	BBAZA	BBA	A
30E	GEAR, SPUR	3251B	BBAZB	BBA	A
30E	RING, MICRO ADJUSTING	3251C	BBAZC	PCA	A
30E	CAM ROTATING	3251Y	BBAZY	BBA	A
30F	CAM STATIONARY	3251Z	BBAZZ	BBA	A
30E	DOVE AND LUG ASSY	32512	BBAZZB	BBA	8
30L	SEGMENT, BLADE GEAR	32517	BBAZZG	BBA	A
30E	PROPELLER CONTROL		BBC	BBA	AAAAAAAAA
30E	PROPELLER CONTROL		BBC	BBA	FAAAAAAAAA
30F	SLEEVE	32552	BBCVZR	BBD	A
30E	SPEED RIAS	3252A	BBCYA	BBC	A
30F	SPEED RIAS BRAKE LEVER	3252R	BBCYR	BBC	8
30E	VALVE HOUSING ASSY	32525	BBCYZE	BBC	8
30E	LEVER ASSY	32526	BBCYZF	BBC	A
30F	CONTROLS COMPONENTS	3252C	BBCY7J	BBC	0
30F	LOW PITCH STOPPING		BBD	BBC	AAAAAAAAA

PGG095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

000000001111111122222222223333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890

30E LOW PITCH STOP ASSY	32551	BBDVZA	BBB	9
30E TUBE	32553	BBDVZC	BBB	A
30E SPRING HELICAL	32554	BBDVZD	BBB	A
30E SHAFT ASSY	32555	BBDVZF	BBB	A
30E LEVER	32556	BBDVZF	BBB	A
30E STOP	32557	BBDVZG	BBB	A
30E LOW PITCH STOP	32550	BBDVZJ	BBB	0
30E NEGATIVE TORQUE CONTROL		BRE	BBC	AAAAAAAAA
30E SECTOR,CAM ASSY,NTS	22674	BBETZD	BRE	A
30E SHAFT ASSY NTS DISARM	22675	BBETZF	BRE	A
30E SHAFT ASSY NTS	22676	BBETZF	BRE	A
30E LEVER,NTS DISARMING	22677	BBETZG	BRE	A
30E NTS TORQUE RETAINER	32541	BHEWZA	BRE	A
30E DRIVE BRACKET ASSY	32542	BHEWZB	BRE	A
30E PROPELLER CONTROLS	32540	BHEWZJ	BRE	0
30E BRACKET AND NTS LEVER	3252Y	BREY	BRE	A
30E SWITCH,NTS	32527	BREYZG	BRE	A
30E PITCH LOCK REGULATION		BRE	BBC	AAAAAAAAA
30E PITCH LOCK REG ASSY	32561	BBFUZA	BRE	9
30E WEIGHT	32562	BBFUZB	BRE	A
30E SLEEVE EXTENSION	32563	BBFUZC	BRE	A
30E PISTON	32564	BBFUZD	BRE	A
30E COVER	32565	BBFUZE	BRE	0
30E HOUSING,VALVE	32566	BBFUZF	BRE	A
30E RING KEYED	32567	BBFUZG	BRE	A
30E PITCH LOCK REGULATOR	32560	BBFUZJ	BRE	0
30E PLUNGER,PITCH LOCK	3251M	BBFZM	BRE	A
30E PROPELLER FEATHERING		BRE	BRE	T FAAAAAAAAA
30E PROPELLER FEATHERING		BRE	BRE	K BEA AAAAAAAAAA
30E PROP.FEATHR. FLAME OUT K		BRE	BRE	T 088888840
30E ELECTRIC AUX HYD PUMP	9952A	BREXA	BRE	A
30E FEATHER SWITCH	3253K	BREXK	BRE	A
30E VALVE,FEATHERING	3252R	BREYZH	BRE	A
30E LOCK-FEATHER	32514	BREZZD	BRE	A
30E SYNCHROPHASING		BRE	BRE	AAAAAAAAA
30E BRUSH BLOCK	3253C	BREXC	BRE	A
30E HOUSING	3253E	BREXE	BRE	2
30E SYNCHROPHASER ASSY	3253C	BREXG	BRE	A
30E PANEL POWER SUPPLY	3253H	BREXH	BRE	A
30E PHASE AND TRIM CONTROL	3253J	BREXJ	BRE	A
30E PULSE GENERATOR	3253M	BREXM	BRE	A
30E CHASSIS ASSY	3253N	BREXN	BRE	A
30E PANEL-SPEED DERIVATIVE	3253P	BREXP	BRE	A
30E PANEL-TRANS AMP	3253Q	BREXQ	BRE	A
30E PANEL-DOUBLE SYN	3253R	BREXR	BRE	A
30E PANEL-SAWTOOTH	3253S	BREXS	BRE	A
30E BRUSH HOUSING	32531	BREXZA	BRE	A
30E MOTOR,AUXILIARY	32533	BREXZC	BRE	A
30E HOUSING AND COIL ASSY	32534	BREXZD	BRE	A
30E INDICATOR ASSY	32535	BREXZE	BRE	A

PGG095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

00000000111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890

30E HARNESS ASSY	32536	BRHXZF	BRH	1
30E ELEC CONTROL COMPONENTS	32530	BRHXZJ	BRH	0
30E HYDRAULIC FLUID SUPPLY		BRJ	BRK	AAAAAAAAA
30E SCAVANGE PUMP	9952A	BRJYA	BEJ	1
30E AUXILIARY SCAVANGE PUMP	9952B	BRJYH	BRJ	1
30E HYDRAULIC PRESSURE		BRK	BBB	AAAAAAAAA
30E COVER,PUMP HOUSING	3252P	BRKYR	BRK	0
30E PLATE	3252C	BRKYC	BRK	0
30E MAIN PUMP	9952C	BRKYCA	BRK	1
30E PLUG,MAGNETIC	3252D	BRKYD	BRK	0
30E STRY PUMP	9952D	BRKYDH	BRK	1
30E PUMP HOUSING ASSY	3252E	BRKYE	BRK	8
30E VALVE,SUMP RELIEF	3252G	BRKYG	BRK	2
30E PLATE,INDEX	3252J	BRKYJ	BRK	0
30E SLEEVE AND BEARING ASSY	3252K	BRKYK	BRK	A
30E SHAFT,BETA	3252L	BRKYL	BRK	A
30E SHAFT,ALPHA	3252M	BRKYM	BRK	A
30E FILTER ASSY	3252N	BRKYN	BRK	1
30E GEAR AND SLEEVE ASSY	3252Q	BRKYQ	BRK	A
30E BRUSH ASSY	3252S	BRKYS	BRK	A
30E CONNECTOR-RECEPTICLE	3252T	BRKYT	BRK	A
30E RETAINER,TORQUE	3252U	BRKYU	BRK	A
30E SLEEVE,ROTATING	3252V	BRKYV	BRK	A
30E SLEEVE,STATIONARY	3252W	BRKYW	BRK	A
30E GEAR ASSY DIFFERENTIAL	3252X	BRKYX	BRK	A
30E SWITCH ASSY PRES CUTOFF	3252Y	BRKYZ	BRK	A
30E CONTROL ASSY	3252I	BRKYZA	BRK	A
30E PLUNGER AND ROLLER ASSY	3252Z	BRKYZB	BRK	A
30E COVER-VALVE ASSY	32523	BRKYZC	BRK	0
30E COVER-ACCESS	32524	BRKYZD	BRK	0
30E PROPELLER AUTI ICE-DRICE		BBM	BBB	A 002838800
30E DE-ICER,CONTACT RING ASSY	32538	BRMXZH	BBM	A
30E ELEMENT HEATER	4151G	BRMZG	BBB	A
30E SLIP RING BLADE	3251H	BRMZH	BBM	A
30E CONTROL PANEL	4151I	BRMZZA	BBM	A
30E TRANSFORMER	4151J	BRMZZB	BBM	A
30E RELAY	4151K	BRMZZC	BBM	A
30E TIMER	4151L	BRMZZE	BBM	A
30E BOOT-BLADE	41517	BRMZZG	BBM	A
30E PROPELLER LOW OIL WARNING		BBN	BBM	I BAZ
30E LOW OIL WARNING LIGHT	44261	BBNSZA	BBN	1
30E LOW OIL QUANTITY LIGHT	44271	BBNTZA	BBN	1
30E FUEL FEED		BBA	BBB	AAAAAAAAA
30E FUEL FEED		BBA	BBB	0AAAAAAAA0
30E FUEL FEED		BBA	BBB	FAC0000000
30E SHUTOFF-VALVE	46233	BCAXZC	BBA	1
30E MAIN TANKS FUEL TRANSFER		BBA	BBA	BCK 000011111
30E MAIN TANKS FUEL TRANSFER		BBA	BBA	K BCC
30E SWITCH,SCAV FLOW	46240	BBCWD	BBA	3
30E BOOST PUMP SWITCH	46241	BBCWZA	BBA	8

PGG095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

00000000011111111122222222223333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890

30E	SWING.CH.VLV %FLAPPER<	46231	BCRXZA	BCA	3
30E	PERCOLATOR %EDUCTOR<	4611A	BCBZA	BCA	0
30E	FITTING AND ATTACHMENTS	4611B	BCBZB	BCB	1
30E	FILLER CAP	46111	BCBZZA	BCB	0
30E	MAIN TANK RST PMP	46211	BCBZZAA	BCB	8
30E	SURGE BOX	46113	BCBZZC	BCB	5
30E	PLATE	46114	BCBZZD	BCB	0
30E	DOOR	46115	BCBZZE	BCB	0
30E	SCAVANGER PUMP	46215	BCBZZEE	BCB	3
30E	RAFFLE	46116	BCBZZF	BCB	0
30E	PANEL	46117	BCBZZG	BCB	0
30E	INTEGRAL&MAIN TANK	46118	BCBZZJ	BCB	0
30E	EXT AND AUX XFFED TRANSFER		BCC	BCA	BCB 111100000
30E	CROSSFEED VALVE SFL SW	46242	BCCWZB	BCC	A
30E	CROSSFEED PRIMER SW	46247	BCCWZG	BCC	A
30E	CROSSFEED PRIMER VALVE	46232	BCCXZB	BCC	1
30E	CROSSFEED VALVE L OR M	46236	BCCXZF	BCC	A
30E	CROSSFEED VALVE L OR M	46236	BCCXZF	BCC	A
30E	CROSSFEED VALVE T OR K	46236	BCCXZFA	BCC	1
30E	CROSSFEED VALVE W	46236	BCCXZFB	BCC	1
30E	CROSSFEED MANIFOLD	46221	BCCYZA	BCC	A
30E	SAME-SIDE TRANSFER AUX/ENT		BCC	BCC	BCG 111111111
30E	EXTERNAL TANK SAME SIDE		BCE	BCE	111100000
30E	BOOST PMP SWITCH 2FA	46241	BCFWZA	BCE	1
30E	TAIL ASSY	4612A	BCEXA	BCE	1
30E	PYLON TANK ASSY	4613B	BCEXB	BCE	1
30E	MOTOR BRACKET	4613C	BCFXD	BCE	0
30E	PYLON ASSY	46131	BCEXZA	BCE	1
30E	FILLER CAP,PYLON	46132	BCFXZB	BCE	0
30E	ADAPTER	46133	BCFXZC	BCE	1
30E	STRUCTURE	46134	BCFXZD	BCE	1
30E	NOSE CONE	46135	BCFXZE	BCE	1
30E	TAIL CONE	46136	BCFXZF	BCE	1
30E	SHACKLE/ATTACH FITTINGS	46137	BCFXZG	BCE	1
30E	SWAY BRACE	46138	BCFXZH	BCE	1
30E	EXTERNAL TANK VALVE	46238	BCFXZHA	BCE	A
30E	EXT &PYLON< TANK	46130	BCFXZJ	BCE	0
30E	PYLON TANK BOOST PMP 2 FA	46213	BCFZZC	BCE	1
30E	AUXILIARY TANK SAME SIDE		BCF	BCE	001100000
30E	BOOST PUMP SWITCH	46241	BCFWZA	BCE	A
30E	FLANGE	4612A	BCFYA	BCE	1
30E	FITTINGS AND ATTACHMENTS	4612B	BCFYB	BCE	1
30E	CELL BLADDER LT O/R	4612C	BCFYC	BCE	2
30E	CELL BLADDER LT CENTER	4612D	BCFYD	BCE	2
30E	CELL BLADDER LT IR	4612E	BCFYF	BCE	2
30E	CELL BLADDER RT OB	4612F	BCFYF	BCE	2
30E	CELL BLADDER RT CENTER	4612G	BCFYG	BCE	2
30E	CELL BLADDER RT I/R	4612H	BCFYH	BCE	2
30E	FILLER CAP	46121	BCFYZA	BCE	0
30E	DOOR	46123	BCFYZC	BCE	0

PGGHS.J101 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

0000000011111111222222223333333344444444555555556666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890

301 ANCHOR	46124	BCFYZD	BCI	0	
302 AUX TANK	46120	BCFYZJ	BCF	0	
303 AUX TANK BOOST PMP	46212	BCFZZH	BCF	A	
304 OPP-SIDE TRANSFER AUX-EX7T		BCG	BCG	K BCG	AAAAAAAA
305 CROSSFEED SEPARATION SW	46248	BCGWZH	BCG	A	
306 CROSSFEED SEPARATION VLV	46238	BCGXH	BCG	A	
307 EXTERNAL TANK OPP SIDE		BCH	BCG		111100000
308 BOOST PMP SWITCH	46241	BCHWZA	BCH	A	
309 TAIL ASSY	4612A	BCHXA	BCH	1	
310 PYLON TANK ASSY	46138	BCHXB	BCH	1	
311 MOTOR BRACKET	46130	BCHXD	BCH	1	
312 PYLON ASSY	46131	BCHXZA	BCH	1	
313 FILLER CAP, PYLON	46132	BCHXZB	BCH	0	
314 ADAPTER	46133	BCHXZC	BCH	1	
315 STRUCTURE	46134	BCHXZD	BCH	1	
316 NOSE CONE	46135	BCHXZF	BCH	1	
317 TAIL CONE	46136	BCHXZF	BCH	1	
318 SHACKLE/ATTACH FITTINGS	46137	BCHXZG	BCH	1	
319 SWAY SPACE	46138	BCHXZH	BCH	1	
320 EXTERNAL TANK VALVE	46238	BCHXZHA	BCH	A	
321 EXT 3PYLON TANK	46130	BCHXZJ	BCH	0	
322 PYLON TANK BOOST PMP 2EA	46213	BCHXZC	BCH	1	
323 AUXILIARY TANK OPP SIDE		BCJ	BCG		001100000
324 BOOST PUMP SWITCH	46241	BCJWZA	BCJ	A	
325 FLANGE	4612A	BCJYA	BCJ	1	
326 FITTINGS AND ATTACHMENTS	4612E	BCJYB	BCJ	1	
327 CELL BLADDER LT O/B	4612C	BCJYC	BCJ	2	
328 CELL BLADDER LT CENTER	4612D	BCJYD	BCJ	2	
329 CELL BLADDER LT IR	4612E	BCJYE	BCJ	2	
330 CELL BLADDER RT O/B	4612F	BCJYF	BCJ	2	
331 CELL BLADDER RT CENTER	4612G	BCJYG	BCJ	2	
332 CELL BLADDER RT I/B	4612H	BCJYH	BCJ	2	
333 FILLER CAP	46121	BCJYZA	BCJ	0	
334 DOOR	46123	BCJYZC	BCJ	0	
335 ANCHOR	46124	BCJYZD	BCJ	0	
336 AUX TANK	46120	BCJYZJ	BCJ	0	
337 AUX TANK BOOST PMP	46212	BCJZZH	BCJ	A	
338 MAIN TANKS XFEED TRANSFER		BCK	BCK	K BCK	0000AAAAA
339 CROSSFEED VALVE SEL SW	46242	BCKWZB	BCK	A	
340 CROSSFEED PRIMER SW	46247	BCKWZG	BCK	0	
341 CROSSFEED PRIMER VALVE	46232	BCKXZB	BCK	0	
342 CROSSFEED MANIFOLD	46221	BCKYZA	BCK	A	
343 SAME-SIDE MAIN TANKS		BCL	BCK		111111111
344 SW. SCAV FLOW	46240	BCLWD	BCL	3	
345 BOOST PMP SW.	46241	BCLWZA	BCL	3	
346 CROSSFEED VALVE	46230	BCLXZF	BCL	A	
347 PERCOLATOR	4611A	BCLZA	BCL	0	
348 FITTING AND ATTACHMENTS	4611B	BCLZB	BCL	1	
349 FILLER CAP	46111	BCLZZA	BCL	0	
350 MAIN TANK BST PMP	46211	BCLZZAA	BCL	8	

PGC095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

000000001111111112222222222333333333344444444455555555566666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890

30F SURGE BOX	46113	BCLZZC	BCL	5	
30F PLATE	46114	BCLZZD	BCL	0	
30F DOOR	46115	BCLZZE	BCL	0	
30F SCAV PMP	46215	BCLZZEA	BCL	3	
30F BAFFLE	46116	BCLZZF	BCL	0	
30F PANEL	46117	BCLZZG	BCL	0	
30F INTEGRAL MAIN TANK	46110	BCLZZJ	BCL	0	
30F OPP-SIDE MAIN TANKS		BCM	BCM		111111111
30F SW., SCAV FLOW	46240	BCNWD	BCM	1	
30F BOOST PMP SW.	46241	BCMWZA	BCM	1	
30F CROSSFEED SEPARATION SW	46245	BCMWZH	BCM	A	
30F CROSSFEED SEPARATION VLV	46238	BCMXB	BCM	A	
30F CROSSFEED VLV	46236	BCMZF	BCM	1	
30F PERCOLATOR	4611A	BCMZA	BCM	0	
30F FITTING AND ATTACHMENTS	4611B	BCMZR	BCM	1	
30F FILLER CAP	46111	BCMZZA	BCM	0	
30F MAIN TANK BOOST PMP	46211	BCMZZAA	BCM	1	
30F SURGE BOX	46113	BCMZZC	BCM	5	
30F PLATE	46114	BCMZZD	BCM	0	
30F DOOR	46115	BCMZZE	BCM	0	
30F SCAV PMP	46215	BCMZZEA	BCM	1	
30F BAFFLE	46116	BCMZZF	BCM	0	
30F PANEL	46117	BCMZZG	BCM	0	
30F INTEGRAL MAIN TANK	46110	BCMZZJ	BCM	0	
30F FUEL DUMP		BCN	FF		0AAAAAAAO
30F DUMP VALVE SWITCH	46243	BCNWCZ	BCN	1	
30F JETTISON VALVE	46230	BCNXD	BCN	1	
30F JETTISON NOZZLE	46531	BCNXZA	BCN	1	
30F JETTISON SCREEN	46532	BCNXZB	BCN	1	
30F JETTISON MAST	46530	BCNXZJ	BCN	1	
30F SHUT OFF VALVE	46511	BCNZZA	BCN	1	
30F DUMP PUMP REACH OF 4<	46214	BCNZZD	BCN	1	
30F GAS TURBINE COMP FUEL		BCP	BLC		A00000000
30F TC FUEL SHUTOFF VLV SW	4624A	BCPWA	BCP	A	
30F SHUTOFF VALVE, GTC	4623C	BCPXC	BCP	A	
30F BOOST GTC	46218	BCPZZH	BCP	A	
30F FUEL STATUS		BCQ	EAL	1 BCA	111111111
30F INDICATOR, TEST SWITCH	46244	BCQWZD	BCQ	0	
30F INTEGRAL TEST SWITCH	46245	BCQWZE	BCQ	0	
30F AUXILIARY TEST SWITCH	46246	BCQWZF	BCQ	0	
30F FUEL FLOW/PRESSURE		BCR	BCQ		222222222
30F PYLON TANK PRESS SW	4624C	BCRWC	BCR	1	
30F SIGNAL ASSY, FUEL PRESS SW	4624E	BCRWE	BCR	2	
30F INDICATOR, FUEL FLOW	46611	BCRZZA	BCR	2	
30F INDICATOR, TOTALIZER	46612	BCRZZB	BCR	2	
30F POWER SUPPLY PS-7	46613	BCRZZC	BCR	A	
30F TRANSMITTER, FUEL FLOW	46614	BCRZZD	BCR	2	
30F INDICATOR, FUEL PRESSURE	46615	BCRZZE	BCR	2	
30F TRANSMITTER, FUEL PRESS	46616	BCRZZF	BCR	2	
30F FUEL QUANTITY		BCS	BCQ		222222222

PGG095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

0000000011111111222222223333333344444455555566666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890
30F INDICATOR,FUEL QUANTITY 46621 BCSYZA BCS 2
30F TANK UNIT,FUEL PROBE 46622 BCSYZB BCS 2
30F COMPENSATOR UNIT,FEEL QTY 46623 BCSYZC BCS 2
30F RELAY,TOTALIZER,FUEL QTY 46624 BCSYZD BCS 2
30F TOTALIZER,FUEL QTY 46625 BCSYZE BCS 2
30F IND.TOTALIZER,FUEL QTY 46626 BCSYZF BCS 2
30F POWER UNIT,FUEL QTY 46627 BCSYZG BCS 2
30F SINGLE POINT REFUEL/DEFUEL SCT BCA 000000000
30F FILL SWITCH 46351 BCTVZA BCT A
30F MASTER SELECTOR SWITCH 46352 BCTVZB BCT A
30F AUXILIARY FILL SWITCH 46353 BCTVZC BCT A
30F GROUND TRANSFER SWITCH 46354 BCTVZD BCT A
30F SPR PANEL 46343 BCTWZC BCT A
30F REFUELING ADAPTER 46331 BCTXZA BCT A
30F DRAIN VALVE PGGC-TYPE 46234 BCTXZF SCT 1
30F REFUELING DRAIN/TRANS PMP 46321 BCTYZA BCT A
30F REFUELING MANIFOLD 46222 BCTYZB BCT A
30F IND FUEL QTY SPR PANEL 46628 BCTYZH BCT A
30F DUAL LEVEL CTRL VALVE 46314 BCTYZZC BCT A
30F DUAL FLOAT 46315 BCTYZZE BCT 2
30F SHUTOFF VALVE 46311 BCTZZA BCT A
30F OVERBOARD DRAIN VALVE 46513 BCTZZC BCT 1
30F REFUELING PUMP 46216 BCTZZG BCT A
30F GROUND TRANSFER VLV 46316 BCTZZGA BCT A
30F TANK VENTING BCU BCA 111111111
30F OUTRD VENT VALVE 46411 BCUZZA BCU 1
30F INBRD VENT VALVE 46412 BCUZZB BCU 1
30F PRESSURE RELIEF VALVE 46413 BCUZZC BCU 1
30F CHECK VALVE 46414 BCUZZD BCU 1
30F ENGINE START BDA BAT A00000000
30F STARTER AIR RESCH 22FAT 22FAB BDAAB BDA A
30F DUCT,BLEED AIR 22FAG BDAAG BDA A
30F AIR CONNECTION 22FAJ BDAAJ BDA A
30F EXDUCER CAP 22FAP BDAAP BDA A
30F MAGNETIC DRAIN PLUG 22FAQ BDAAQ BDA 0
30F SEAL,GAPLOC 22FAS BDAAS BDA 1
30F STARTER STU-1A 22FAA 22FAT BDAAT BDA A
30F STARTERS 22FAQ BDAAZJ BDA 0
30F FLANGE,STARTER SHFT BRNG 22650 BDAVD BDA A
30F SHAFT,STARTER 2265G BDAVG BDA A
30F GEAR,SPUR,STARTER 2265J BDAVJ BDA A
30F SEAL,SIMPLEX,STRT DRIVE 2264H BDAWH BDA 2
30F FUEL SHUTOFF VALVE 2253A BDRXA BDD A
30F HANDLE-FIRE EMER CONTROL 49111 BDBZZA BDD 1
30F STARTER CONTROL BDC BAR FAAAAAAAAA
30F STARTER CONTROL BDC BDA AAAAAAAAAA
30F STARTER CONTROL BDC BEA FAAAAAAAAA
30F SENSING LINE 22FAC BDCAC BDC A
30F VALVE,STARTER CTRL 22FAL 22FAD BDCAD BDC A
30F CHECK VALVE 22FAE BDCAF BDC 2

```


PGG095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

00000000111111112222222222333333333344444444445555555555666666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890
30E CONTROL VALVE 22FAF BDCAF BDC A
30E STARTER CONT VALVE FILTER 22FAH BDCAH BDC 2
30E VALVE, STARTER CTRL 22FAM 22FAL BDCAL BDC A
30E VALVE, STARTER CTRL 22FAD 22FAM BDCAM BDC A
30E STARTER SWITCH 22FAR BDCAR BEC A
30E FIRE EMER CONTROL BDD BRG X AAAAAAAAAA
30E FIRE EMER CONTROL BDD BDC AAAAAAAAAA
30E FIRE EMER SWITCH 22FBR BDD BRB A
30E ENGINE LUBE BEA BAC 027777710
30E STARTER HS MB-9 22FAR 22FAA BEAAA BDA A
30E ACCESS, FWD PNL ASSY 22FAC BEAAC REA 0
30E ENGINE OIL SYSTEM 22130 BEAXZJ BEA 0
30E LUBE SUPPLY BEB BEA AAAAAAAAAA
30E LUBE SUPPLY BEB BEF FAAAAAAAAA
30E VALVE, TANK 2213C BEBXC BEB A
30E SCUPPER 2213F BEBXF BEB 1
30E HOSE ASSY 2213L BEBXL BEB 1
30E OIL TANK ASSY 2213I BEBXZA BEB 1
30E TANK BODY 2213Z BEBXZB BEB 1
30E DOOR 22133 BEBXZC BEB 0
30E SUMP 22134 BEBXZD BEB 0
30E FILTER ASSY 22136 BEBXZF BEB 1
30E DIPSTICK 22137 BEBXZG BEB 0
30E LUBE COOLING BEC BEA AAAAAAAAAA
30E LUBE COOLING REC BEG FAAAAAAAAA
30E DUCT, OIL COOLER 22BAF BECAA BEC 1
30E PANEL ASSY, OIL COOLER 22BAH BECAR BEC 0
30E PANEL ASSY, OIL COOL AFT 22BAE BECAF BEC 0
30E FLAP ASSY, OIL COOLER 22BAF BECAF BEC 8
30E MAST ASSY, NACELLE DRAIN 22BAG BECAG BEC 0
30E RETAINER, OIL COOLER FLAP 22BAH BECAH BEC 2
30E OIL TEMP, HARNESS< 22BEC BECBC BEC 1
30E COOLER REGULATOR 22155 BECVZE BEC A
30E HINGE BEARING 2214A BECWA BEC 3
30E FLAP ACTUATOR, MOTOR 2214B BECWB BEC A
30E OIL COOLER HAIL DEFLECTOR 2214C BECWC BEC 1
30E COOLER ASSY 2214I BECWZA BEC 2
30E FLAP ACTUATOR 22144 BECWZD BEC A
30E THERMOSTAT 22145 BECWZF BEC A
30E OIL COOLER COMPONENTS 22140 BECWZJ BEC 0
30E LUBE PRESSURE BED BEA AAAAAAAAAA
30E LUBE PRESSURE BED BEH FAAAAAAAAA
30E HOSE, REDUCTION GEAR INLET 22161 BEDUZA BED 5
30E HOSE, REDUCTION GEAR OUTLET 22162 BEDUZR BED 6
30E HOSE ASSY, OIL 22160 BEDUZZ BED 0
30E BYPASS, OIL XVALVE< 22151 BEDVZA BED 2
30E REGULATING XVALVE< 22152 BEDVZB BED 2
30E TANK PRESSURIZING XVALVE< 22153 BEDVZC BED 2
30E OIL SHUTOFF XVALVE< 22154 BEDVZD BED A
30E RELIEF, OIL XVALVE< 22156 BEDVZG BED 2

```


PGG095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

000000000111111112222222223333333334444444445555555556666666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890

30F PRESSURE VALVE	22157	BEDVZH	BEF	2	
30F VALVES, OIL SYSTEM	22150	BEDVZJ	BEF	0	
30F GEAR, TACH AND OIL PMP DR	22648	BEDWB	BEF	A	
30F GEAR, PUMP DRIVE IDLER	22640	BEDWC	BEF	A	
30F JOURNAL, IDLER GEAR	22640	BEDWD	BEF	A	
30F SHAFT, OIL PUMP DRIVE	2264F	BEDWE	BEF	A	
30F VALVE ASSY, OIL PRESS RLF	2264F	BEDWF	BEF	2	
30F BODY ASSY, PRESSURE PUMP	22122	BEDYZH	BEF	1	
30F PLATE, OIL PUMP SEPERATING	22123	BEDYZC	BEF	1	
30F SHAFTGEAR, OIL PUMP DRIVE	22124	BEDYZD	BEF	A	
30F GEAR, PRESSURE DRIVER	22125	BEDYZF	BEF	A	
30F GEAR, PUMP IDLER	22126	BEDYZF	BEF	A	
30F VALVE ASSY, PRESSURE RLF	22127	BEDYZG	BEF	2	
30F CHECK VALVE, P/S OIL PUMP	22128	BEDYZH	BEF	2	
30F OIL PUMP ASSY	22120	BEDYZJ	BEF	0	
30F PLUG, OIL PRESSURE REDUCE	2211V	BEFZV	BEF	1	
30F SHAFT, OIL PUMP DRIVE	22118	BEDZZH	BEF	A	
30F OIL SCAVENGE		BEF	BEA		AAAAA
30F EXTERNAL SCAVENGE PUMP	2212B	BEFYB	BEF	A	
30F BODY ASSY, SCAVENGE PUMP	22121	BEFYZA	BEF	1	
30F VALVE, SCAVENGE PRESS RLF	2211U	BEFZU	BEF	2	
30F OIL QUANTITY MEASUREMENT		BEF	RAM	I	4EB 33333333
30F INDICATOR-QUANTITY	220GA	BEFGA	BEF	A	
30F TRANSMITTER, QUANTITY	220GB	BEFGB	BEF	A	
30F OIL QUANTITY INDICATION	220GC	BEFGZJ	BEF	0	
30F OIL TEMP MEASUREMENT		BEF	RAM	I	REC 33333333
30F INDICATOR	220EA	BEGEA	BEF	A	
30F BULB, TEMP	220EB	BEGEB	BEF	A	
30F OIL TEMP INDICATION	220EC	BEGEZJ	BEF	0	
30F OIL PRESSURE MEASUREMENT		BEH	RAA	I	RED 33333333
30F INDICATOR, OIL PRESS	220DA	BEHDA	BEH	A	
30F TRANSMITTER, ENG OIL PRESS	220DB	BEHDB	BEH	A	
30F FUSE, OIL PRESS	220DD	BEHDD	BEH	A	
30F TRANS-GEAR BOX, OIL PRESS	220DE	BEHDE	BEH	A	
30F PRESSURE INDICATING SYS	220DG	BEHDZJ	BEH	0	
30F OIL COOLER FLAP POSITION		BEJ	BFC		55555555
30F INDICATOR	220FA	BEJFA	BEJ	A	
30F TRANSMITTER	220FB	BEJFB	BEJ	A	
30F OIL COOL DOOR POSIT IND.	220FG	BEJFZJ	BEJ	0	
30F IGNITION		BEA	BAD	T	AAAAA
30F IGNITER PLUG	220AB	BFAAB	BFA	8	
30F IGNITER RELAY	220AC	BFAAC	BFA	A	
30F DISTRIBUTION BOX	220AD	BFAAD	BFA	2	
30F HARNESS, ELECTRICAL	220AH	BFABH	BFA	4	
30F FORMING STRIP	220BJ	BFABJ	BFA	2	
30F IGNITION HARNESS	220BK	BFABK	BFA	4	
30F IGNITION TERMINAL	220BL	BFABL	BFA	2	
30F HARNESS AND ELECTRICAL	220BO	BFABZJ	BFA	0	
30F IGNITION EXCITATION		BFB	BFA		AAAAA
30F EXCITER	220AA	BFBAA	BFB	A	

PGG095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

000000001111111112222222233333333344444444555555555556666666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890
30E SPEED SENS/IGNITION CNTRL          BFC          BAS          FAAAAAAAAA
30E SPEED SENS/IGNITION CNTRL          BFC          BFR          AAAAAAAAAA
30E CONTROL,SPEED SENSITIVE          22FBA      BFCBA          PFC          A
30E RELAY BOX          22FBE      BFCBE          BFC          A
30E SW LOW SPEED GND IDLE          22ERG      BFCBG          BFC          A
30E SOLENOID,LOW SP GND IDLE          22ERH      BFCBH          PFC          A
30E ACCESSORY DRIVE # 1          BGA          UAM          AAAAAAAAAA
30E ACCESSORY DRIVE I 1          BGA          UHBF          AAAAAAAAAA
30E SHAFT ASSY ALTERNATOR DR          2265A      BGAVA          BGA          A
30E GEAR,SPUR,HYD PUMP IDLER          22656      BGAVH          BGA          A
30E GEAR,SPUR ALTER DRIVE          2265C      BGAVC          BGA          A
30E DIAPHRAGM INNER REAR CASE          22651      RGAVZA          BGA          2
30E GAGE BEARING          22652      BGAVZB          BGA          2
30E BEARING          22653      BGAVZC          BGA          A
30E SHAFT ASSY HYD PUMP DRIVE          22654      BGAVZD          BGA          A
30E GEAR SPUR,HYD PUMP DRIVE          22656      RGAVZF          BGA          A
30E GEA SPUR,HYD PUMP IDLER          22657      RGAVZG          BGA          A
30E GEAR SPUR,MAIN IDLER          22658      BGAVZH          BGA          A
30E REAR DIAP.AND ACCESS DP          22650      BGAVZJ          BGA          0
30E SEAL,GARLOC,ACCESS DRIVE          2264G      BGAWG          BGA          1
30E CASE          22641      BGAWZA          BGA          A
30E SHAFT ASSY GEN DRIVE          22642      BGAWZB          BGA          A
30E BEARING          22643      BGAWZC          BGA          A
30E GAGE,GEN DRIVE BRNG          22644      BGAWZD          BGA          A
30E GEAR,GEN DRIVE          22645      BGAWZE          BGA          A
30E REAR CASE AND ACCESS DP          2264C      BGAWZJ          BGA          0
30E GEAR ASSY,MAIN ACCESS DR          2263B      BGAXB          BGA          A
30E BEARING,BALL MAIN DR FRNT          2211A      BGAZA          BGA          A
30E BEARING,BALL MAIN DR REAR          2211B      BGAZB          BGA          A
30E SHAFT,ACCESS IDLER GEAR          2211C      BGAZC          BGA          A
30E BRNG,IDLER GEAR SHFT FRNT          2211D      BGAZD          BGA          A
30E BRNG,IDLER GEAR SHFT REAR          2211E      BGAZE          BGA          A
30E SHAFTGEAR,SIDE LEFT          2211J      BGAZJ          BGA          A
30E BRNG,SIDE GEAR LEFT FRONT          2211K      BGAZK          BGA          A
30E BRNG,SIDE GEAR LEFT REAR          2211L      BGAZL          BGA          A
30E GEAR,SPUR,INTERNAL DRIVE          2211M      BGAZM          BGA          A
30E SHAFTGEAR,SIDE,RIGHT          2211N      BGAZN          BGA          A
30E BRNG,SIDE GEAR,RIGHT FRONT          2211P      BGAZP          BGA          A
30E BRNG,SIDE GEAR,RRGHT REAR          2211Q      BGAZQ          BGA          A
30E SHAFTGEAR ASSY QTR INCH          2211R      BGAZR          BGA          A
30E BRNG,SQ DRIVE SHAFTGEAR          2211S      BGAZS          BGA          A
30E GAGE,BEARING-FLANGED          2211T      BGAZT          BGA          A
30E PLUG,MAGNETIC          2211W      BGAZW          BGA          0
30E SEAL GARLOC SPEED SWITCH          2211Y      BGAZY          BGA          2
30E SEAL,GARLOC SPEED VALVE          2211Z      BGAZZ          BGA          A
30E HOUSING UNIT          22111      BGAZZA          BGA          0
30E COVER          22112      BGAZZR          BGA          0
30E SHAFTGEAR,MAIN DR RADIAL          22113      BGAZZC          BGA          A
30E BEARING,BALL,MAIN DR SHFT          22114      BGAZZD          BGA          A
30E GAGE ASSY,EXT SHAFT BRNG          22214      BGAZZDA          BGA          1

```

PGGR95.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

0000000001111111112222222223333333334444444445555555556666666667777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890

30E	CAGE, BEARING	22115	BGAZZE	BGA	A
30E	BEARING, BALL EXT SHAFT	22215	BGAZZEA	BGA	A
30E	SHAFTGEAR, MAIN DR REVEL	22116	BGAZZF	BGA	A
30E	SHAFT ASSY, EXTENSION	22216	BGAZZFA	BGA	A
30E	GEAR, CENTER DRIVE	22117	BGAZZG	BGA	A
30E	GEAR, COMPRESSOR SIDE	22217	BGAZZGA	BGA	A
30E	BEARING, SIDE GEAR	22218	BGAZZHA	BGA	A
30E	ACCESSORY DRIVE COMPONENT	22110	BGAZZJ	BGA	C
30E	ACCESSORY DRIVE # 2		BGB	UAB	AAAAAAAAA
30E	ACCESSORY DRIVE 1 2		BGB	UHRG	AAAAAAAAA
30E	SHAFT ASSY ALTERNATOR DR	2265A	BGVVA	BGB	A
30E	GEAR, SPUR, HYD PUMP IDLER	2265B	BGVVB	BGB	A
30E	GEAR, SPUR ALTER DRIVE	2265C	BGVVC	BGB	A
30E	DIAPHRAGM INNER REAR CASE	22651	BGVVZA	BGB	A
30E	CAGE BEARING	22652	BGVVZB	BGB	A
30E	BEARING	22653	BGVVZC	BGB	A
30E	SHAFT ASSY HYD PUMP DRIVE	22654	BGVVZD	BGB	A
30E	GEAR, SPUR, HYD PUMP DRIVE	22656	BGVVZE	BGB	A
30E	GEAR, SPUR, HYD PUMP IDLER	22657	BGVVZF	BGB	A
30E	GEAR, SPUR, MAIN IDLER	22658	BGVVZG	BGB	A
30E	REAR DIAP. AND ACCESS DR	22659	BGVVZH	BGB	A
30E	SEAL, GARLOC, ACCESS DRIVE	22660	BGVVZI	BGB	2
30E	CASE	22661	BGBWC	BGB	A
30E	SHAFT ASSY GEN DRIVE	22662	BGBWZA	BGB	A
30E	BEARING	22663	BGBWZB	BGB	A
30E	CAGE, GEN DRIVE BRNG	22664	BGBWZC	BGB	A
30E	GEAR, GEN DRIVE	22665	BGBWZD	BGB	A
30E	REAR CASE AND ACCESS DR	22666	BGBWZE	BGB	A
30E	GEAR ASSY, MAIN ACCESS DR	22667	BGBWZF	BGB	2
30E	BEARING, BALL MAIN DR FRNT	2211A	BGBWZJ	BGB	A
30E	BEARING, BALL MAIN DR REAR	2211B	BGBXB	BGB	A
30E	SHAFT, ACCESS IDLER GEAR	2211C	BGBZA	BGB	A
30E	BRNG, IDLER GEAR SHFT FRNT	2211D	BGBZB	BGB	A
30E	BRNG, IDLER GEAR SHFT REAR	2211E	BGBZC	BGB	A
30E	SHAFTGEAR, SIDE LEFT	2211F	BGBZD	BGB	A
30E	BRNG, SIDE GEAR LEFT FRONT	2211G	BGBZE	BGB	A
30E	BRNG, SIDE GEAR LEFT REAR	2211H	BGBZF	BGB	A
30E	GEAR, SPUR, INTERNAL DRIVE	2211I	BGBZJ	BGB	A
30E	SHAFTGEAR, SIDE, RIGHT	2211J	BGBZK	BGB	A
30E	BRNG, SIDE GEAR, RIGHT FRONT	2211K	BGBZL	BGB	A
30E	BRNG, SIDE GEAR, RIGHT REAR	2211L	BGBZM	BGB	A
30E	SHAFTGEAR ASSY 1/2 INCH	2211M	BGBZN	BGB	A
30E	BRNG, SQ DRIVE SHAFTGEAR	2211N	BGBZP	BGB	A
30E	CAGE, BEARING-FLANGED	2211O	BGBZQ	BGB	A
30E	PLUG, MAGNETIC	2211P	BGBZR	BGB	A
30E	SEAL, GARLOC SPEED SWITCH	2211Q	BGBZS	BGB	A
30E	SEAL, GARLOC SPEED VALVE	2211R	BGBZT	BGB	A
30E	HOUSING UNIT	2211S	BGBZU	BGB	A
30E	COVER	2211T	BGBZV	BGB	A
30E	SHAFTGEAR, MAIN DR RADIAL	2211U	BGBZW	BGB	0
			BGBZX	BGB	0
			BGBZY	BGB	A
			BGBZZ	BGB	A
			BGBZZA	BGB	0
			BGBZZB	BGB	0
			BGBZZC	BGB	A

PGG095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

000000000111111112222222223333333334444444445555555556666666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890

30E BEARING, BALL, MAIN DR SHFT	22114	BGBZZD	BGB	A
30E CAGE ASSY, EXT SHAFT FRNG	22114	BGBZZDA	BGB	1
30E CASE, BEARING	22115	BGBZZF	BGB	A
30E BEARING, BALL EXT SHAFT	22115	BGBZZFA	BGB	A
30E SHAFTGEAR, MAIN DR BEVEL	22116	BGBZZF	BGB	A
30E SHAFT ASSY, EXTENSION	22116	BGBZZFA	BGB	A
30E GEAR, CENTER DRIVE	22117	BGBZZG	BGB	A
30E GEAR COMPRESSOR SIDE	22117	BGBZZGA	BGB	A
30E BEARING, SIDE GEAR	22118	BGBZZHA	BGB	A
30E ACCESSORY DRIVE COMPONENT	22110	BGBZZJ	BGB	0
30E ACCESSORY DRIVE # 3		BGC	UAP	
30E ACCESSORY DRIVE I 3		BGC	UNAF	
30E SHAFT ASSY ALTERNATOR DR	2265A	BGCVA	BGC	A
30E SHAFT ASSY HYD PUMP DRIVE	22654	BGCVA0	BGC	A
30E GEAR, SPUR, HYD PUMP IDLER	22650	BGCVB	BGC	A
30E GEAR, SPUR, ALTER DRIVE	22650	BGCVC	BGC	A
30E DIAPHRAGM INNER REAR CASE	22651	BGCVZA	BGC	A
30E CAGE BEARING	22652	BGCVZB	BGC	A
30E BEARING	22653	BGCVZC	BGC	A
30E GEAR SPUR, HYD PUMP DRIVE	22656	BGCVZF	BGC	A
30E GEAR SPUR, HYD PUMP IDLER	22657	BGCVZG	BGC	A
30E GEAR SPUR, MAIN IDLER	22658	BGCVZH	BGC	A
30E REAR DIAP. AND ACCESS DR	22650	BGCVZJ	BGC	2
30E SEAL, GARLOC, ACCESS DRIVE	22646	BGCWG	BGC	A
30E CASE	22641	BGCWZA	BGC	A
30E SHAFT ASSY GEN DRIVE	22642	BGCWZB	BGC	A
30E BEARING	22643	BGCWZC	BGC	A
30E CAGE, GEN DRIVE BRNG	22644	BGCWZD	BGC	A
30E GEAR, GEN DRIVE	22645	BGCWZF	BGC	A
30E REAR CASE AND ACCESS DR	22640	BGCWZJ	BGC	2
30E GEAR ASSY, MAIN ACCESS DR	2263R	BGCXB	BGC	A
30E BEARING, BALL MAIN DR FRNT	2211A	BGCZA	BGC	A
30E BEARING, BALL MAIN DR REAR	2211B	BGCZH	BGC	A
30E SHAFT, ACCESS IDLER GEAR	2211C	BGCZC	BGC	A
30E BRNG, IDLER GEAR SHFT FRNT	2211D	BGCZD	BGC	A
30E BRNG, IDLER GEAR SHFT REAR	2211E	BGCZE	BGC	A
30E SHAFTGEAR, SIDE LEFT	2211J	BGCZJ	BGC	A
30E BRNG, SIDE GEAR LEFT FRONT	2211K	BGCZK	BGC	A
30E BRNG, SIDE GEAR LEFT REAR	2211L	BGCZL	BGC	A
30E GEAR, SPUR, INTERNAL DRIVE	2211M	BGCZM	BGC	A
30E SHAFTGEAR, SIDE, RIGHT	2211N	BGCZN	BGC	A
30E BRNG, SIDE GEAR, RIGHT FRONT	2211P	BGCZP	BGC	A
30E BRNG, SIDE GEAR, RIGHT REAR	2211Q	BGCZQ	BGC	A
30E SHAFTGEAR ASSY QTR INCH	2211R	BGCZR	BGC	A
30E BRNG, SO DRIVE SHAFTGEAR	2211S	BGCZS	BGC	A
30E CAGE, BEARING-FLANGED	2211T	BGCZT	BGC	A
30E PLUG, MAGNETIC	2211W	BGCZW	BGC	A
30E SEAL, GARLOC SPEED SWITCH	2211Y	BGCZY	BGC	A
30E SEAL, GARLOC SPEED VALVE	2211Z	BGCZZ	BGC	A
30E HOUSING UNIT	22111	BGCZZA	BGC	0

AAAAAAAAA
AAAAAAAAA

PGG095.J181 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

00000000011111111122222222233333333344444444455555555566666666677777777773
12345678901234567890123456789012345678901234567890123456789012345678901234567890

30E COVER	22112	BGCZZF	BGC	0
30E SHAFTGEAR,MAIN DR RADIAL	22113	BGCZZC	BGC	A
30E BEARING,BALL,AMIN DR SHFT	22114	BGCZZD	BGC	A
30E CAGE ASSY,FXT SHAFT BRNG	22214	BGCZZDA	BGC	1
30E CAGE,BEARING	22115	BGCZZE	BGC	A
30E BEARING,BALL FXT SHAFT	22215	BGCZZEA	BGC	A
30E SHAFTGEAR,MAIN DR REVEL	22116	BGCZZF	BGC	A
30E SHAFT ASSY,EXTENSION	22216	BGCZZFA	BGC	A
30E GEAR,CENTER DRIVE	22117	BGCZZG	BGC	A
30E GEAR COMPRESSOR SIDE	22217	BGCZZGA	BGC	A
30E BEARING,SIDE GEAR	22218	BGCZZHA	BGC	A
30E ACCESSORY DRIVE COMPONENT	22110	BGCZZJ	BGC	0
30E ACCESSORY DRIVE # 4		BGD	UAG	AAAAAAAAA
30E ACCESSORY DRIVE I 4		BGD	UHAG	AAAAAAAAA
30E SHAFT ASSY ALTERNATOR DR	2265A	BGDVA	BGD	A
30E GEAR,SPUR,HYD PUMP IDLER	2265B	BGDVB	BGD	A
30E GEAR,SPUR ALTER DRIVE	2265C	BGDVC	BGD	A
30E DIAPHRAGM INNER REAR CASE	22651	BGDVZA	BGD	A
30E CAGE BEARING	22652	BGDVZB	BGD	A
30E BEARING	22653	BGDVZC	BGD	A
30E SHAFT ASSY HYD PUMP DRIVE	22654	BGDVZD	BGD	A
30E GEAR SPUR,HYD PUMP DRIVE	22655	BGDVZE	BGD	A
30E GEAR SPUR,HYD PUMP IDLER	22657	BGDVZF	BGD	A
30E GEAR SPUR,MAIN IDLER	22658	BGDVZH	BGD	A
30E REAR DIAP.AND ACCESS DR	22650	BGDVZJ	BGD	2
30E SEAL,GARLOC,ACCESS DRIVE	22646	BGDWG	BGD	A
30E CASE	22641	BGDWZA	BGD	A
30E SHAFT ASSY GEN DRIVE	22642	BGDWZH	BGD	A
30E BEARING	22643	BGDWZC	BGD	A
30E CAGE,GEN DRIVE BRNG	22644	BGDWZD	BGD	A
30E GEAR,GEN DRIVE	22645	BGDWZE	BGD	A
30E REAR CASE AND ACCESS DR	22640	BGDWZJ	BGD	2
30E GEAR ASSY,MAIN ACCESS DR	2263B	BGDXB	BGD	A
30E BEARING,BALL MAIN DR FRNT	2211A	BGDZA	BGD	A
30E BEARING,BALL MAIN FR REAR	2211B	BGDZB	BGD	A
30E SHAFT,ACCESS IDLER GEAR	2211C	BGDZC	BGD	A
30E BRNG,IDLER GEAR SHFT FRNT	2211D	BGDZD	BGD	A
30E BRNG,IDLER GEAR SHFT REAR	2211E	BGDZE	BGD	A
30E SHAFTGEAR,SIDE LEFT	2211J	BGDZJ	BGD	A
30E BRNG,SIDE GFA LEFT FRONT	2211K	BGDZK	BGD	A
30E BRNG,SIDE GEAR LEFT REAR	2211L	BGDZL	BGD	A
30E GEAR,SPUR,INTERNAL DRIVE	2211M	BGDZM	BGD	A
30E SHAFTGEAR,SIDE,RIGHT	2211N	BGDZN	BGD	A
30E BRNG,SIDE GEAR,RIGHT FRONT	2211P	BGDZP	BGD	A
30E BRNG,SIDE GEAR,RIGHT REAR	2211Q	BGDZQ	BGD	A
30E SHAFTGEAR ASSY QTR INCH	2211R	BGDZR	BGD	A
30E BRNG,SQ DRIVE SHAFTGEAR	2211S	BGDZS	BGD	A
30E CAGE,BEARING-FLANGED	2211T	BGDZT	BGD	A
30E PLUG,MAGNETIC	2211W	BGDZW	BGD	A
30E SEAL,GARLOC SPEED SWITCH	2211Y	BGDZY	BGD	A

PGG095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

000000000111111111222222222223333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
30E SEAL,GARLOC SPEED VALVE 22112 BGDZZ BGD A
30E HOUSING UNIT 22111 BGDZZA BGD 0
30E COVER 22112 BGDZZB BGD 0
30E SHAFTGEAR,MAIN DR RADIAL 22113 BGDZZC BGD A
30E BEARING,BALL,MAIN DR SHFT 22114 BGDZZD BGD A
30E CAGE ASSY,EXT SHAFT BRNG 22214 BGDZZDA BGD 1
30E CAGE,BEARING 22115 BGDZZE BGD A
30E BEARING,BALL EXT SHAFT 22215 BGDZZEA BGD A
30E SHAFTGEAR,MAIN DR REVEL 22116 BGDZZF BGD A
30E SHAFT ASSY,EXTENSION 22216 BGDZZFA BGD A
30E GEAR,CENTER DRIVE 22117 BGDZZG BGD A
30E GEAR,COMPRESSOR SIDE 22217 BGDZZGA BGD A
30E BEARING,SIDE GEAR 22218 BGDZZHA BGD A
30E ACCESSORY DRIVE COMPONENT 22110 BGDZZJ BGD 0
30E MAIN BLEED AIR DUCT BJA BDA AAAAAAAAAA
30E BLEED AIR BJA CDR AAAAAAAAAA
30E BLEED AIR BJA ECF AAAAAAAAAA
30E BLEED AIR BJA ECC AAAAAAAAAA
30E MAIN BLEED AIR BJA EDC SAAAAAAAAA
30E BLEED AIR BJA EDJ FAAAAAAAAA
30E BLEED AIR BJA LDS FAAAAAAAAA
30E RAM AIR PORT 41451 BJAVZA BJA 2
30E AIR OUTLET 41452 BJAVZB BJA 2
30E VENTILATOR 41453 BJAVZC BJA 2
30E AIR SOURCE AND DIST 41450 BJAVZJ BJA 0
30E EXPANSION BELLAWS 41438 BJAXB BJA A
30E INSULATION BLANKET 41430 BJAXC BJA 2
30E DUCTING 41431 BJAXZA BJA A
30E TUBING 41432 BJAXZB BJA A
30E COMPENSATOR 41433 BJAXZC BJA A
30E DUCT GROUP 41430 BJAXZJ BJA 0
30E PRESSURE REGULATION BJB BJA AAAAAAAAAA
30E BREAKER PANEL 41441 BJRWZA BJB 2
30E CONTROL 41440 BJRWZJ BJB 0
30E ACTUATOR 3 VALVE 4142A BJBYA BJB A
30E ISOLATION VALVE 41421 BJBYZA BJB A
30E 3 INCH GRND START VALVE 41422 BJBYZB BJB A
30E CHECK VALVE 41425 BJBYZC BJB 1
30E UNLOADING CONTROL VALVE 41426 BJBYZF BJB 1
30E VALVE ASSY,4 INCH 41428 BJBYZH BJB A
30E VALVES 41420 BJBYZJ BJB 0
30E AIR FLOW REG 41411 BJBZZA BJB A
30E PRESS REG 41412 BJBZZB BJB A
30E MANIFOLD 41414 BJBZZD BJB A
30E BLEED AIR INLINE FILTER 41415 BJYZZF BJB 2
30E REGULATOR 41410 BJYZZJ BJB 0
30E EXTERNAL AIR BJC BJB 100000000
30E EXTERNAL AIR CONNECTION 99440 BJCWZJ BJC A
30E ENGINE BLEED AIR EA OF 4 BKA BJB 011111111
30E MANIFOLD ASSY,LOWER 22AAA BKAAA BKA 2

```


PG095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

0000000011111111222222223333333344444444555555556666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890

30E HALF FLANGE STRAP	22AAB	BKAAB	BKA	A
30E VALVE ASSY,CHECK	22AAD	BKAAD	BKA	2
30E MANIFOLD ASSY UPPER	22AAE	BKAAE	BKA	2
30E SUPPORT	22AAF	BKAFF	BKA	2
30E COUPLING	22AAG	BKAAG	BKA	A
30E JOINT,FLEXIBLE	22AAH	BKAHH	BKA	A
30E INSULATION	22AAJ	BKAAJ	BKA	2
30E VALVE,PRE-HEAT	22AAK	BKAAK	BKA	A
30E Y ASSY	22AAL	BKAAL	BKA	A
30E COMPRESSOR BLEED AND STRT	22AAO	BKAAZJ	BKA	0
30E VALVE,SENS GARGLOC SEAL	2233A	BKAXA	BKA	1
30E VALVE,SPEED SENSITIVE	2233B	BKAXZC	BKA	A
30E VALVE,COMPRESSOR BLEED	2233C	BKAXZD	BKA	A
30E VALVE,BLEED CONTROL	2233E	BKAXZE	BKA	A
30E VALVE,ASSY SOLENOID	2233G	BKAXZF	BKA	A
30E COMPRESSOR BLEED AIR SYS	2233O	BKAXZJ	BKA	0
30E GAS TURBINE COMPRESSOR		BLA	BLJ	100000000
30E TAILPIPE	24164	BLAUZO	BLA	3
30E GENERAL	24160	BLAUZJ	BLA	0
30E ACTUATOR,GTC DOOR	2414E	BLAWE	BLA	A
30E GTC ACT ARM OR SW LOS	2414F	BLAWE	BLA	A
30E HOURMETER	2414G	BLAWG	BLA	0
30E COUNTER START	2414H	BLAWH	BLA	A
30E SWITCH ASSY CENTRIFIGAL	2414K	BLAWK	BLA	A
30E FUEL RELAY	2414M	BLAWM	BLA	A
30E CONTROL BOX ASSY	2414N	BLAWN	BLA	A
30E THERMOCOUPLE	2414P	BLAWP	BLA	A
30E TACH GEN	2414R	BLAWR	BLA	2
30E CONTROL PANEL	24141	BLAWZA	BLA	A
30E STARTER	24142	BLAWZP	BLA	A
30E STARTING RELAY	24143	BLAWZC	BLA	A
30E HOLDING RELAY	24144	BLAWZD	BLA	A
30E OVERLOAD THERMOSTAT	24145	BLAWZE	BLA	A
30E IGNITER	24147	BLAWZG	BLA	A
30E OIL PRESSURE SWITCH	24148	BLAWZH	BLA	A
30E ELECTRICAL COMPONENTS	24140	BLAWZJ	BLA	0
30E EXDUCER BOLT	2413A	BLAXA	BLA	2
30E PLENUM	2413P	BLAXR	BLA	2
30E INLET SCREEN	2413C	BLAXC	BLA	0
30E CAP COMBUSTION ASSY CASE	2413D	BLAXD	BLA	0
30E DUCT,INTAKE	2413E	BLAXE	BLA	A
30E DUCT,EXHAUST	2413F	BLAXF	BLA	A
30E 1ST STAGE COMP HOUSING	2413G	BLAXG	BLA	A
30E 2ND STAGE COMP HOUSING	2413H	BLAXH	BLA	A
30E 2ND DIFFUSER HOUSING	2413J	BLAXJ	BLA	A
30E COOLING DUCT	2413K	BLAXK	BLA	2
30E SCROLL COMP	2413L	BLAXL	FLA	2
30E SCROLL TURBINE	2413M	BLAXM	BLA	2
30E DIFFUSER	2413N	BLAXN	BLA	A
30E IMPELLER	2413P	BLAXR	BLA	A

PGG095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

000000000111111112222222223333333334444444445555555556666666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890

30E	ROTOR, TURBINE	2413S	BLAXS	BLA	A
30E	MOUNT, BRACKET	2413W	BLAXW	BLA	1
30E	COMPRESSOR ASSY	2413X	BLAXX	BLA	A
30E	EMERGENCY CONTROL HANDLE	24131	BLAXZA	BLA	A
30E	TORUS ASSY	24132	BLAXZB	BLA	A
30E	HOUSING	24133	BLAXZC	BLA	1
30E	EXDUCER	24134	BLAXZD	BLA	A
30E	TURBINE WHEEL	24135	BLAXZE	BLA	A
30E	BURNER	24136	BLAXZF	BLA	A
30E	ACCESSORY DRIVE CASE	24137	BLAXZG	BLA	A
30E	MECHANICAL COMPONENTS	24130	BLAXZJ	BLA	0
30E	MOTOR DRIVE		BLB	BLA	AAAAAAAAA
30E	CLUTCH	24213	BLBZC	BLB	A
30E	GEAR BOX	24214	BLBZD	BLB	A
30E	COOLING FAN	2421G	BLBZG	BLB	5
30E	BREATHER, ATM	2421H	BLBZH	BLB	2
30E	ATM FILTER ELEMENT	2421J	BLBZJ	BLB	1
30E	DRIVE	2421K	BLBZK	BLB	A
30E	INSULATION	2421L	BLBZL	BLB	0
30E	ATM ASSY	2421M	BLBZM	BLB	2
30E	CAP, OIL FILLER, ATM	2421N	BLBZN	BLB	0
30E	TUBING	2421P	BLBZP	BLB	2
30E	SOLENOID, ATM CONTROL	2421Q	BLBZQ	BLB	A
30E	COUPLING ASSY	2421R	BLBZR	BLB	A
30E	PUMP AND CONTROLLER	24211	BLBZZA	BLB	A
30E	TURBINE	24212	BLBZZB	BLB	A
30E	MOUNTING BRACKET	24215	BLBZZF	BLB	1
30E	SHUT OFF VALVE	24216	BLBZZF	BLB	A
30E	MODULATING VALVE	24217	BLBZZG	BLB	3
30E	OVER SPEED VLV	24218	BLBZZH	BLB	A
30E	MOTOR	24210	BLBZZJ	BLB	2
30E	GAS TURBINE FUEL		BLC	BLA	AAAAAAAAA
30E	FUEL DRAIN	2411C	BLCZC	BLC	1
30E	CONTROL SOLENOID	2411D	BLCZD	BLC	A
30E	ATOMIZER	2411E	BLCZE	BLC	A
30E	INLET CONNECTION	2411F	BLCZF	BLC	A
30E	RELIEF VALVE	2411G	BLCZG	BLC	2
30E	FILTER	2411H	BLCZH	BLC	1
30E	FUEL CONNECTIONS	2411J	BLCZJ	BLC	A
30E	FUEL SOLENOID VALVE	2411K	BLCZK	BLC	A
30E	FILTER ELEMENT	2411M	BLCZM	BLC	1
30E	DIAPHRAGM FUEL PRESSURE	2411N	BLCZN	BLC	A
30E	PUMP FUEL CONTROL	24111	BLCZZA	BLC	A
30E	SHUT OFF VALVE	24112	BLCZZB	BLC	A
30E	ACCELERATION VALVE	24113	BLCZZC	BLC	A
30E	PRESSURE REGULATOR	24114	BLCZZD	BLC	A
30E	STRAINER SCREEN	24115	BLCZZE	BLC	1
30E	GOVERNOR	24116	BLCZZF	BLC	A
30E	NOZZLE	24118	BLCZZH	BLC	A
30E	FUEL SYSTEM	24110	BLCZZJ	BLC	0

PGG095,JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

0000000001111111112222222222333333333444444444455555555566666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890
30E GAS TURBINE LUBE          BLD          BLA          AAAAAAAAAA
30E FILLER CAP                2412D BLDYD          BLD          0
30E TEMP CONTROL VLV         2412F BLDYF          BLD          A
30E BLOWER,OIL COOLER        2412G BLDYG          BLD          A
30E DUCT,OIL COOLER          2412H BLDYH          BLD          A
30E FAN SHAFT SEAL           2412J BLDYJ          BLD          2
30E OUTPUT SHAFT SEAL         2412K BLDYK          BLD          2
30E VALVE,SOLENOID OIL DRAIN 2412L BLDYL          BLD          1
30E VALVE,OIL BYPASS          2412M BLDYM          BLD          2
30E TUBE ASSY,OIL JET         2412N BLDYN          BLD          A
30E SCAVANGING,OIL LINE ASSY 2412P BLDYP          BLD          A
30E FILTER ELEMENT           2412R BLDYR          BLD          1
30E PUMP                      2412I BLDYZA          BLD          A
30E SCAVANGER PUMP           24122 BLDYZB          BLD          A
30E RELIEF VALVE              24123 BLDYZC          BLD          2
30E RESERVOIR                 24124 BLDYZD          BLD          1
30E FILTER                    24125 BLDYZE          BLD          1
30E COOLER                    24127 BLDYZG          BLD          4
30E OIL SYSTEM                24120 BLDYZJ          BLD          0
30E GAS TURBINE PNEUMATICS    BLE          BLA          AAAAAAAAAA
30E REGULATOR PRESSURE      2415A BLEVA          BLE          A
30E TEE,COMP DISCHARGE        2415B BLEVB          BLE          A
30E THERMOCOUPLE              2415C BLEVC          BLE          A
30E CONNECTION,CONTROL AIR    2415D BLEVD          BLE          A
30E VALVE,SWITCH PISTON       2415E BLEVE          BLE          A
30E VALVE,RATE CONTROL        2415F BLEVF          BLE          A
30E CONTROL,ACCELERATION      2415G BLEVG          BLE          A
30E VALVE,BLEED ACCELERATION  2415H BLEVH          BLE          A
30E REGULATION CNTRL AIR PRES 2415J BLEVJ          BLE          A
30E SPEED CONTROL             2415K BLEVK          BLE          A
30E VALVE,BLEED AIR           2415I BLEVZA          BLE          A
30E SOLENOID-BLEED AIR VLV    24152 BLEVZB          BLE          A
30E HOSE ASSY                  24155 BLEVZE          BLE          2
30E THERMOSTAT-PNEU BLEEDLOD  24157 BLEVZG          BLE          A
30E VALVE,SHUTOFF,UNLOADING   24158 BLEVZH          BLE          2
30E PNEUMATIC COMPONENTS      24150 BLEVZJ          BLE          0
30E ENGINE FIRE DET/EXTINGUISH BMA          BMA          X          AAAAAAAAAA
30E THERM SWITCH              4913I BMAXZA          BMA          8
30E RECTIFIER-BLOCKING        49122 BMAXZB          BMA          8
30E OVERHEAT DETECTOR         49133 BMAXZC          BMA          8
30E NACELLE,OVERHEAT WARN     49130 BMAXZJ          BMA          0
30E RECTIFIER,BLOCKING        4912A BMAYA          BMA          A
30E ELEMENT SENSING           4912B BMAYB          BMA          A
30E RELAY TEST                 4912C BMAYC          BMA          1
30E AMPLIFIER ASSY            4912E BMAYE          BMA          A
30E RELAY WARNING              4912J BMAYJ          BMA          A
30E PYROTECTOR FIPE DETECTOR  4912M BMAYM          BMA          A
30E PYROTECTOR CONT AMPLIFIER 4912N BMAYN          BMA          A
30E LAMP ASSY-NORMAL          4912I BMAYZA          BMA          A
30E LAMP ASSY-MASTER          49124 BMAYZD          BMA          A

```


PGG095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

0000000001111111112222222223333333334444444445555555556666666667777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
30E HARNESS ASSY 49125 BMAYZE BMA A
30E CONTROL UNIT 49128 BMAYZH BMA A
30E FIRE DETECTION 49120 BMAYZJ BMA O
30E HANDLE, FIRE EMER CONTROL 49111 BMAZZA BMA A
30E SWITCH, DISCHARGE 49112 BMAZZB BMA A
30E CONTROL ASSY, RELAY BOX 49113 BMAZZC BMA A
30E VALVE ASSY, DIRECTIONAL CTL 49114 BMAZZD BMA A
30E ACTUATION BONNET 49115 BMAZZE BMA A
30E PANEL, FIRE EMER CONTROL 49116 BMAZZF BMA A
30E FIRE EXTINGUISHER, ENGINE 49117 BMAZZG BMA A
30E TURBINE TEMPERATURE STATUS BMB X 333333333
30E INDICATOR 22GCA BMBCA BMB 1
30E AMPLIFIER 22GCF BMBCH BMB 1
30E AMP VIBRATION ISOLATOR 22GCC BMBCC BMB 1
30E TURBINE INLET TEMP SYS 22GCO BMBZJ BMB O
30E THERMAL SW 46161 BMBUZA BMB A
30E KEYS 49162 BMBUZH BMB A
30E INDICATOR LIGHT 49163 BMBUZC BMB A
30E WIRING 49164 BMBUZD BMB 1
30E DETECTOR 49165 BMBUZE BMB A
30E TRN OVER HEAT WARN SYS 49160 BMBUZZ BMB O
30E ENGINE ANTI ICE BMC A 002444440
30E ANTI ICING SOLENOID 22DAE BMCAE BMC A
30E VALVE, ANTI ICE 22AAM BMCAM BMC A
30E DUCT ASSY TORQUE ANTI ICE 22BEA BMCBA BMC A
30E ANTI ICING SCOOP VALVE 22DPR BMCBB BMC A
30E VALVE, SHUTOFF 41551 BMCVZA BMC A
30E SHUTOFF VALVE MOTOR 41553 BMCVZC BMC A
30E REGULAR 41554 BMCVZD BMC A
30E DUCT 41555 BMCVZE BMC A
30E VALVE ASSY, ANTI ICE SOL 22337 BMCXZG BMC A
30E VALVE ASSY, ANTI ICE 22338 BMCXZH BMC A
30E ICE DETECT BMD BBN AAAAAA
30E ICE DETECT BMD BMC FAAAAA
30E PROBE 41552 BMDVZR BMD A
30E RELAY 41521 BMDYZA BMD A
30E INTERPRETER 41522 BMDYZB BMD A
30E RECTIFIER 41523 BMDYZC BMD A
30E DETECTOR 41524 BMDYZD BMD A
30E ICE DETECTION 41520 BMDYZJ BMD O
30E JET ASSISTED TAKEOFF BNA C 020000000
30E BOTTLE 49311 BNAZZA BNA A
30E CHANNEL 49312 BNAZZB BNA A
30E RELEASE CABLE 49314 BNAZZD BNA A
30E RELEASE ASSY 49317 BNAZZG BNA A
30E BRACKET 49318 BNAZZH BNA A
30E MECHANICAL COMPONENTS 49310 BNAZZJ BNA O
30E COMM-NAV-IDENT C AAAAAA
30E COMMUNICATION CA E 01111120
30E INTERNAL COMMUNICATION CA 00000000

```

PG095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

0000000011111111222222222233333333334444444444555555555566666666667777777777
1234567890123456789012345678901234567890123456789012345678901234567890
30F PUBLIC ADDRESS AIC 13 SYS          CAAA          CAA          111111111
30F PA/INTERPHONE RELAY          6412A          CAAAA          CAAA          1
30F PA DISCONNECT CALL RELAY      6412B          CAAAB          CAAA          2
30F SPEAKER SELECTOR RELAY NO16412C          CAAAC          CAAA          1
30F SPEAKER SELECTOR RELAY NO26412D          CAAAD          CAAA          1
30F MOUNT MT 1424          6412G          CAAAE          CAAA          0
30F MAIN CONTROL PANEL          6412I          CAAAF          CAAA          5
30F AUXILIARY CONT PNL 2LA          64122          CAAAG          CAAA          0
30F AMPLIFIER CAN/994          64123          CAAAH          CAAA          A
30F MICROPHONE 3EA          64124          CAAAJ          CAAA          1
30F LOUD SPEAKERS LS211 X7EAK 64125          CAAAK          CAAA          1
30F INTERPHONE PA SWITCH 2EA 64126          CAAAL          CAAA          1
30F EXTENSION CORD          64127          CAAAM          CAAA          1
30F GAIN CONTROL RELAY          64128          CAAAN          CAAA          1
30F STATION TO STATION INTERCOM          CAAB          CAA          AAAAAA
30F STATION TO STATION INTERCOM          CAAB          CAAA          FAAAAA
30F STATION TO STATION INTERCOM          CAAB          CAAA          AAAAAA
30F STATION TO STATION INTERCOM          CAAB          COT          22222222
30F SWITCH JACK U94A/U          6421P          CAABA          CAAB          1
30F LOADMASTER INTERPHONE CORD6421C          CAABB          CAAB          1
30F INTERPHONE EXTENSION CORD 6421D          CAABC          CAAB          1
30F MIC TRANSFER SWITCH AC100L6421F          CAABD          CAAB          1
30F GRND CREW RECEPTACLE          6421F          CAABE          CAAB          1
30F FWD JUNCTION BOX          6421G          CAABF          CAAB          1
30F AFT JUNCTION BOX          6421H          CAABG          CAAB          1
30F HEADSET PANEL          6421J          CAABH          CAAB          1
30F INTERPHONE CONT.C2105 2EA 6421I          CAABJ          CAAB          1
30F CONTROL PANEL C2106 5EA 64212          CAABK          CAAB          1
30F CONTROL PANEL C2323A 5EA 64213          CAABL          CAAB          1
30F MICROPHONE SWITCH SA-+7A 64214          CAABM          CAAB          1
30F CONT WHEEL MICROPHONE SW 64216          CAABP          CAAB          1
30F HEAD SET MICROPHONE 7EA 64217          CAABQ          CAAB          0
30F CONTROL PANEL C3942CP 2EA 64218          CAABR          CAAB          1
30F INTERCON CONT.C6567/A1C25 6441A          CAABS          CAAB          1
30F CONTROL C6224A/A1C25 6441B          CAAST          CAAB          1
30F AIR CREW INTERPHONE CORD 6441C          CAABU          CAAB          0
30F AIR CREW CONNECT PANEL 6441D          CAABV          CAAB          1
30F SWITCH JACK U-94/U          6441E          CAABW          CAAB          0
30F CONT WHEEL MICROPHONE SW 6441F          CAABX          CAAB          1
30F MONITOR PANEL C2323A 6442A          CAABY          CAAB          1
30F JUNCTION BOX 8461-25000-3 6443A          CAABZ          CAAB          1
30F INTERPHONE CONNECT PNL 6444A          CAABZA          CAAB          1
30F CONTROL PNL 8461 25025-1 6445A          CAABZB          CAAB          1
30F CONTROL PNL 8461 25035-1 6445B          CAABZC          CAAB          1
30F CONTROL PNL 8461 25040-1 6445C          CAABZD          CAAB          1
30F MICROPHONE M34/AIC 6447A          CAABZF          CAAB          1
30F FOOT SWITCH SA47A/AIC 6448A          CAABZG          CAAB          0
30F HEADSET H78B/AIC 6449A          CAABZH          CAAB          0
30F SPEAKER LS189A/AIC 6449B          CAABZJ          CAAB          0
30F HEADSET 69311          CAABZK          CAAB          0

```

PG0095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

000000000111111111222222222333333333344444444455555555566666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890
30EMICROPHONE 69312 CAABZL CAAB 0
30E LXTERNAL COMMUNICATION CAB CA 111111111
30E AIR TO GROUND/AIR COMM CABA CAB 111111111
30E UHF COMM. XEA OF 2 SYS< CABB CABA 111111111
30E BLOWER MOTOR 6311A CABBA CABB 8
30E COMMUTATOR 6311B CABBB CABB A
30E ANTENNA 6311C CABBC CABH 2
30E BEARING 6311D CABBD CABH 1
30E ANTENNA LEAD 6311E CABBE CABH 2
30E ANTENNA COVER 6311F CABBF CABH 0
30E ANTENNA RELAY RE-120 6311G CABBG CABH 2
30E DYNAMOTOR 6311H CABBH CABH A
30E FILTERS 6311J CABBJ CABH 1
30E ANT MAN OVRIDE SW 13AT2A 6311L CABBL CABH 2
30E ANT SELECTOR C-293/A 6311M CABBM CABH 2
30E ANT SWITCH 6311N CABBN CABH 2
30E ANT AT 256 6311I CABBP CABH 2
30E POWER SUPPLY 63112 CABBQ CABH A
30E ANT SEL KEY RELAY 63113 CABBR CABH 5
30E CNTRL PNL C-1057A 63114 CABBS CABH A
30E MOUNT 63115 CABBT CABH 0
30E UHF/VHF DF SW RELAY 63116 CABBU CABH 1
30E CONTROL PANEL C-6365 63117 CABBV CABH 1
30E ARC-133 SYSTEM COMPONENTS 63510 CABBW CABH 1
30E RADIO SET CONTROL 63511 CABBX CABH 1
30E ANTENNA AT 256A 63514 CABBZA CABH A
30E MOUNT MT 1099 63515 CABBZB CABH 1
30E ANTENNA SELECTOR 63516 CABBZC CABH 2
30E ANTENNA SELECTOR PNL 63517 CABBZD CABH 0
30E UHF SIGNAL RECEPTION CABC CABH 888898888
30E UHF COMM. XEA OF 2 SYS< CABC CABH AAAAAAAAAA
30E RECEIVER RT-263/ARC-34 63120 CARCA CABH 3
30E RECEIVER RT-750/ARC-34A 63140 CABCH CABH 3
30E RECEIVER RT-750/ARC-34C 63150 CABCC CABH 3
30E RECEIVER RT-750/ARC-34B 63130 CABCD CABH 3
30E RCVR XMTR RT-263 63121 CABCE CABH 3
30E RCVR XMTR RT-463A 63131 CARCF CABH 3
30E RCVR XMTR RT-463 63141 CARCG CABH 3
30E RCVR XMTR RT-750 63151 CABCH CABH 3
30E RCVR-XMTR RT-847/ARC-133 6351A CAB CJ CABH 3
30E RCVR-XMTR RT-850/ARC-133 6351D CABCK CABH 3
30E RCVR-XMTR RT-851/ARC-133 6351G CABCL CABH 3
30E UHF SIGNAL TRANSMISSION CARD CABH 222222222
30E TRANSMITTER RT-263/ARC-34 63120 CARDA CABH 3
30E TRANSMITTER RT-263/ARC-34A 63140 CARDB CABH 3
30E TRANSMITTER RT-263/ARC-34C 63150 CARD C CABH 3
30E TRANSMITTER RT-263/ARC-34B 63130 CARDD CABH 3
30E RCVR XMTR RT-263 63121 CABDL CABH 3
30E RCVR XMTR RT-463A 63131 CABDF CABH 3
30E RCVR XMTR RT-463 63141 CARDE CABH 3

```


PGG095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

0000000001111111112222222222333333334444444444555555555566666666667777777777
1234567890123456789012345678901234567890123456789012345678901234567890
30E RCVR XMTR RT-750 63151 CABDH CABD 3
30E RCVR-XMTR RT-847/ARC-133 6351A CABDJ CABD 3
30E RCVR-XMTR RT-850/ARC-133 6351B CABDK CABD 3
30E RCVR-XMTR RT-851/ARC-133 6351G CABDL CABD 3
30E VHF COMM CABE CARA 11111111
30E VHF 101 COMM CABF CARF 11111111
30E RF MODULE A-1 6213A CABFA CABF 2
30E IF AUDIO AMPLIFIER A-2 6213C CABFC CABF 2
30E RF/VIF AMPLIFIER A-1 6213D CABFD CABF 2
30E ANT SWITCHING RELAY 6213E CABFE CABF 2
30E ANTENNA #2EAC 6213I CABFI CABF 2
30E CONTROL 6213J CABFJ CABF A
30E RACK ASSY 6213K CABFK CABF 1
30E MOUNT ASSY 6213L CABFL CABF 0
30E POWER SUPPLY 6213M CABFM CABF A
30E VHF ANTENNA 6213N CABFN CABF 2
30E VHF RECEPTION CABG CARF 88888888
30E RECEIVER 6213P CABGP CARC A
30E VHF TRANSMISSION CABH CARF 22222222
30E TRANSMITTER 6213Q CABHQ CARH A
30E TRANSMITTER MODULATOR 6213R CABHR CARH A
30E VHF FM RADIO #F-622AC CABJ CARF 11111111
30E CONTROL 6221I CABJI CARJ A
30E MOUNTING 6221J CABJJ CARJ 0
30E ANTENNA 6221K CABJK CARJ A
30E ANTENNA HOMING 6221L CABJL CARJ 5
30E COUPLER 6221M CABJM CARJ 2
30E CONNECTOR/WIRING 6221N CABJN CARJ 1
30E RECEIVER 6221O CABJO CARJ A
30E SECURE SPEECH CABK CARF 00000000
30E GENERAL CRYPTO DEVICES 69410 CABKA CABK 8
30E CONTROL C-7213/ARC 69411 CABKB CABK 3
30E RELAY RE-978/ARC 69412 CABKC CABK 3
30E HF COMM. SEA OF 2 SYSC CABL CARA 11111111
30E SWITCH 6121R CABLR CABL 1
30E SHOCK MOUNTS 6121E CABLE CABL 0
30E ADAPTER TRAY 6121L CABLL CABL 0
30E INTERCONNECT BOX 6121M CABLM CABL 1
30E CHASSIS 6121O CABLO CABL 1
30E RADIO CONTROL 61216 CABLP CABL 8
30E MOUNTING 61212 CABLS CABL 0
30E MOUNTING 61213 CABLT CABL 0
30E CONTROL 714F-2 61211 CABLU CABL 8
30E MOUNT 61224 CABLV CABL 0
30E HF TRANSMISSION CABM CARL 22222222
30E INTERLOCK RELAY 6121A CABMA CABM A
30E TRANSCEIVER 61214 CABMB CABM A
30E HF RECEIVING CABN CARL 88888888
30E TRANSCEIVER 61214 CABNA CABN A
30E RECEIVER 61221 CABNB CABN A

```

PGG095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

000000000111111111222222222233333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
30E HF ANTENNA CABP CABL AAAAAAAAAA
30E ANTENNA TUNER 6121P 612AF CABPA CABP 3
30E ANTENNA GROUND RELAY 6121H612AF CABPH CABP 3
30E ANTENNA 352610 6121D CABPD CABP A
30E ANTENNA RDX ASSY 6121F CABPF CABP 2
30E ANTENNA GROUND RELAY 612AF6121H CABPH CABP 3
30E ANTENNA MAST 6121J CABPJ CABP 1
30E ANTENNA TENSION TAKE-UP 6121K CABPK CABP 1
30E ANTENNA TUNING UNIT 612AF 6121P CABPP CABP 3
30EHF /LOKAN COUPLING CABQ CQDR AAAAAAAAAA
30E CONVERTER 61223 6121C CABQA CABQ A
30E ANTENNA COUPLER 61222 6121G CABQB CABQ 2
30E ANTENNA COUPLER 6121G 6121N CABQC CABQ 2
30E ANTENNA COUPLER 6121N 61218 CABQD CABQ 2
30E ANTENNA COUPLER 61218 61222 CABQE CABQ 2
30E COUPLER POWER SUPPLY 6121C61223 CABQF CABQ A
30E STATIC DISCHARGE CABR CABA 000000000
30E STATIC DISCHARGERS 6921C CABRA CABR 1
30E BONDING JUMPERS 6931N CABRB CABR 1
30E ARC-34 ANTENNA 1112M CABVZ CABR A
30E POWER SUPPLY PP 3086 62512 CABY CABR A
30E POWER SUPPLY PP 1990 63513 CABZ CABR A
30E IFF/SIF CB C 000000000
30E RADAR IFF APX25 CBA CB 111111111
30E ANTENNA SWITCHING UNIT 6512C CBAC CBA 3
30E REAR CHASSIS ASSY 6512H CBAH CPA 1
30E ANTENNA 2 EA 65121 CBAJ CBA 1
30E CONTROL 65123 CBAK CBA A
30E RCVR-XMTR 65124 CBAL CBA A
30E RT UNIT MOUNT ASSY 65125 CBAM CBA 0
30E MOUNT ASSY KEYS 65126 CBAN CBA 0
30E CQDR 65127 CBAP CBA 1
30E CQDR CONTROL UNIT 65128 CBAQ CBA 1
30E AIM RADAR IDENT APX 72 CBR CP 111111111
30E RT 359/APX-72 65BRC 65PAA CBPA CBR A
30E RT 359/APX-72 65BAC 65BBQ CBB CBR A
30E MODE 4 65BBJ CBRJ CBR 1
30E MOUNT 65BCC CBRK CBB 0
30E MOUNT 65BDC CBR L CBB 0
30E CONTROL C6280 P/APX 65CAQ CBRM CBR A
30E CONTROL C6280A P/APX 65DAQ CBRN CBB A
30E TS 1843A/APX 65EAA CBRP CBR 0
30E TS 1843B/APX 65EBQ CBRQ CBR 0
30E MOUNT 65ECC CBR R CBB 0
30E SWITCHING UNIT 65EAC CBRS CBR 1
30E MOUNT 65EBC CBRT CBR 1
30E ANTENNA 65GAC CBRU CBR 5
30E ANTENNA 65GEC CBTV CBR 5
30E NAVIGATION CC C E 001222240

```

PG0095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

00000000111111112222222222333333334444444455555555666666667777777777
1234567890123456789012345678901234567890123456789012345678901234567890
30F STEERING SOLUTIONS          CCA          CC          CCB          00888888A0
30F DEAD RECONING              CCB          CC          K CCA          AAAAAAAAAA
30F HEADING                    CCB          CCB          AAAAAAAAAA
30F MAGNETIC COMPASS          51911    CCBAA          CCB          A
30F TIME                      CCB          CCB          000000000
30F CLOCK                    51154    CCBBA          CCB          A
30F PRESENT POSITION FIX        CCB          CCB          002222200
30F COORDINATOR FLIGHT DECK    5114B    CCBCH          CCB          1
30F COORDINATOR RHEUSTAT      5114C    CCBCC          CCB          5
30F COORDINATOR RULR          5114D    CCBCC          CCB          1
30F SEXTANT MOUNT              5114F    CCBCC          CCB          A
30F SHUTTER ASSY              5114G    CCBCC          CCB          A
30F SEXTANT MOUNT BASE ASSY    5114H    CCBCH          CCB          A
30F SEXTANT POWER CORD         5114J    CCBCC          CCB          5
30F SEXTANT PERISCOPE         5114K    CCBCC          CCB          A
30F SEXTANT LIGHT              5114L    CCBCC          CCB          5
30F AVERAGER                  5114M    CCBCC          CCB          A
30F BUBBLE UNIT                5114N    CCBCC          CCB          A
30F PERISCOPIC SEXTANT MOUNT  1112B    CCBCC          CCB          A
30F ENROUTE DISPLAYS          CCC          CCA          001111100
30F HEADING                    CCC          CCC          222222222
30F MASTER COMPASS INDICATION CCCAA          CCC          111111111
30F MASTER INDICATOR          52211    CCCAA          CCC          1
30F REPEATER INDICATOR        52212    CCCAA          CCC          0
30F RDHI                      CCCAB          CCC          111111111
30F INDICATOR ID 1103          52316    CCCAA          CCC          1
30F ADI HEADING INFO          CCCAC          CCC          111111111
30F INDICATOR ARU 2B/A ADI     51822    CCCAC          CCC          1
30F INDICATOR REPEATER ADI     5182B    CCCAC          CCC          0
30F HSI                      CCCAD          CCC          111111111
30F INDICATOR AQU-2/A          51823    CCCAD          CCC          1
30F SEARCH RADAR DISPLAY      CCCAE          CCC          111111111
30F AZIMUTH INDICATOR          72RFO    CCCAE          CCC          1
30F INDICATOR                  72R00    CCCAE          CCC          1
30F RMI                      CCCAF          CCC          111111111
30F INDICATOR ID 250           6921B    69217    CCCAF          CCC          1
30F INDICATOR ID 250A          69217    6921B    CCCAF          CCC          1
30F INDICATOR ID 251           7141F    CCCAF          CCC          1
30F INDICATOR ID 250           7141G    7141G    CCCAF          CCC          1
30F INDICATOR ID 250A          7141F    7141H    CCCAF          CCC          1
30F INDICATOR ID 351           7141K    CCCAF          CCC          1
30F INDICATOR ID 250           7111F    7111F    CCCAF          CCC          1
30F INDICATOR ID 250A          7111F    7111F    CCCAF          CCC          1
30F INDICATOR ID 250           7131F    7131B    CCCAF          CCC          1
30F INDICATOR ID 250A          7131P    7131F    CCCAF          CCC          1
30F BEARING                    CCCB          CCC          222222222
30F RDHI                      CCCBA          CCC          111111111
30F INDICATOR ID 1103          71113    CCCBA          CCC          1
30F INDICATOR ID 1103          7131C    CCCBA          CCC          1
30F INDICATOR ID 663/J         7131K    CCCBA          CCC          1

```


PGG095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

000000000111111111222222223333333333444444444555555555666666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890

30E	INDICATOR ID 1103	7141L	CCCBAL	CCCBAL	1
30E	INDICATOR ID 663	9971Z	CCCBAB	CCCBAB	1
30E	RMI		CCCBAB	CCCBAB	111111111
30E	INDICATOR ID 250	7131F	7131B	CCCBAB	1
30E	INDICATOR ID 250A	7131F	7131F	CCCBAB	1
30E	INDICATOR ID 251		7141F	CCCBAB	1
30E	INDICATOR ID 250	7141H	7141G	CCCBAB	1
30E	INDICATOR ID 250A	7141G	7141H	CCCBAB	1
30E	INDICATOR ID 351		7141K	CCCBAB	1
30E	INDICATOR ID 250	6921B	69217	CCCBAB	1
30E	INDICATOR ID 250A	69217	69218	CCCBAB	1
30E	INDICATOR ID 250	7111F	7111E	CCCBAB	1
30E	INDICATOR ID 250A	7111F	7111F	CCCBAB	1
30E	HSI		CCCBAB	CCCBAB	111111111
30E	HSI INPUT		CCCBAB	CCCBAB	AAAAAAAAA
30E	INDICATOR AQU-2/A	51823	CCCBAB	CCCBAB	1
30E	ADI		CCCBAB	CCCBAB	111111111
30E	INDICATOR ARU 2B/A	51822	CCCBAB	CCCBAB	1
30E	INDICATOR REPEATER	5182B	CCCBAB	CCCBAB	1
30E	SEARCH RADAR		CCCBAB	CCCBAB	111111111
30E	AZIMUTH INDICATOR	72FE0	CCCBAB	CCCBAB	1
30E	INDICATOR	72F00	CCCBAB	CCCBAB	1
30E	DOPPLAR COMPUTER		CCCBAB	CCCBAB	111111111
30E	CONTROL INDICATOR	72782	CCCBAB	CCCBAB	1
30E	AUX CONTROL INDICATOR	7278N	CCCBAB	CCCBAB	1
30E	RANGE		CCCBAB	CCCBAB	111111111
30E	BDHI		CCCBAB	CCCBAB	111111111
30E	INDICATOR ID 1103	7131C	CCCBAB	CCCBAB	1
30E	INDICATOR ID 663/U	7131K	CCCBAB	CCCBAB	1
30E	INDICATOR ID 1103	71113	CCCBAB	CCCBAB	1
30E	INDICATOR ID 1103	7141L	CCCBAB	CCCBAB	1
30E	INDICATOR ID 663	9971Z	CCCBAB	CCCBAB	1
30E	HSI		CCCBAB	CCCBAB	111111111
30E	INDICATOR ARU 2B/A	51823	CCCBAB	CCCBAB	1
30E	SEARCH RADAR		CCCBAB	CCCBAB	111111111
30E	INDICATOR AZIMUTH	72FE0	CCCBAB	CCCBAB	1
30E	INDICATOR	72F00	CCCBAB	CCCBAB	1
30E	DOPPLER COMPUTER		CCCBAB	CCCBAB	111111111
30E	CONTROL INDICATOR	72782	CCCBAB	CCCBAB	A
30E	CONTROL INDICATOR	72785	CCCBAB	CCCBAB	A
30E	PRESENT POSITION		CCCBAB	CCCBAB	111111111
30E	LORAN DISPLAYS		CCCBAB	CCCBAB	111111111
30E	RECEIVER ZLORAN CC	72AAH	CCCBAB	CCCBAB	A
30E	INDICATOR IP 58 XAPN-70C	72133	CCCBAB	CCCBAB	A
30E	INDICATOR IP 58A XAPN-70B	72142	CCCBAB	CCCBAB	A
30E	DOPPLER COMPUTER		CCCBAB	CCCBAB	111111111
30E	AUX CONTROL INDICATOR	7278N	CCCBAB	CCCBAB	1
30E	CONTROL INDICATOR	72782	CCCBAB	CCCBAB	1
30E	CONTROL INDICATOR	72785	CCCBAB	CCCBAB	1
30E	SEARCH RADAR		CCCBAB	CCCBAB	111111111

PG095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

0000000001111111112222222222333333333444444444555555555666666666777777777
1234567890123456789012345678901234567890123456789012345678901234567890
30E INDICATOR AZIMUTH 72RE0 CCCDCA CCCDC 1
30E INDICATOR AZIMUTH 72FQ0 CCCDCR CCCDC 1
30E DRIFT ANGLE CCCF CCC 000000000
30E INDICATOR ID 938 72771 CCCFA CCCF A
30E GROUND SPEED CCCG CCC 000000000
30E INDICATOR 72771 CCCGA CCCG A
30E NAVIGATIONAL SIGNAL DATA CDD CCA 001111100
30E TACAN XEA OF 2 SYSC CCDA CDD 111111111
30E TACAN XEA OF 2 SYSC CCDA CCT F111111111
30E TACAN INPUT CCDA FBXL 001111110
30E RECEIVER 72141 CCDAAA CCDB 8
30E ANTENNA COUPLER 72143 CCDAAB CCDB A
30E ANTENNA %TOP< 71311 CCDA8 CCDA 2
30E ANTENNA %BOTTOM< 71312 CCDA8 CCDA 2
30E RECEIVER TRANSMITTER 71310 CCDA8 CCDA 8
30E MAIN CHASSIS 713A0 CCDA8A CCDA 1
30E ARN 21 TACAN SYSTEM 71310 CCDA8B CCDA 1
30E COUPLING UNIT 7131E CCDAE CCDA A
30E ANTENNA CHANGEOVER RLY SW 7131B CCDAF CCDA 2
30E ANTENNA SWITCHING RELAY 7131G CCDA8 CCDA 5
30E RACK ASSY 7131H CCDAH CCDA 1
30E MOUNT ASSY 7131J CCDAJ CCDA 0
30E CONTROL UNIT 71314 CCDAK CCDA A
30E FREQ SELECTOR CONTROL 7131V CCDAV CCDA 8
30E LORAN CCDB CCC 111111111
30E DEFLECTION UNIT GEAR ASSY 7213A CCDBA CCDB 3
30E SWITCH AND GEAR ASSY 7213B CCDBB CCDB 1
30E ANTENNA 72AAA CCDBRA CCDB A
30E MT-2683 72AAR CCDBBB CCDB 0
30E RELAY INTER LOCK 72AAC CCDBRC CCDB A
30E CABLE COAXIAL 72AAD CCDBBD CCDB 2
30E RACK CONNECTOR 72AAF CCDBBF CCDB 1
30E ANTENNA COUPLER 72AAF CCDBBF CCDB A
30E WIPING 72AAG CCDBBG CCDB 1
30E RECEIVER R-1214 72AAH CCDBBH CCDB 8
30E POWER SUPPLY PP 3866 72AAJ CCDBBJ CCDB A
30E MOUNT 7213C CCDBD CCDB 0
30E MOUNT 7213D CCDBD CCDB 0
30E MOUNT 7213E CCDBF CCDB 0
30E RECEIVER 72131 CCDBF CCDB 8
30E RECEIVER 72132 CCDBG CCDB 8
30E ANTENNA COUPLER 72134 CCDBH CCDB A
30E CONNECTOR 72135 CCDBJ CCDB 3
30E TIMER UNIT 72137 CCDBK CCDB 2
30E RF RECEIVER 72138 CCDBL CCDB A
30E SEARCH RADAR CCDC CCC 001111100
30E RADAR CONTROL 72PA0 CCDCA CCDC 2
30E ELECTRONIC AMPLIFIER 72PAC CCDCR CCDC 8
30E SYNCHRONIZER 72PCG CCDCC CCDC 8
30E SYNCHRONIZER CONTROL 72PDO CCDCD CCDC 8

```

AD-A054 492

ARINC RESEARCH CORP ANNAPOLIS MD
DEVELOPMENT OF AIR FORCE FLIGHT SAFETY MODELS. VOLUME 11. C-130--ETC(U)
SEP 76

F/G 1/2

F09603-72-A-1132

UNCLASSIFIED

C54-01-1-1406-VOL-11

NL

2 OF 2
AD
A054492



END
DATE
FILMED
7-78
DDC

PGG095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

0000000001111111112222222223333333334444444445555555556666666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890

30F BATTERY	72SD0	CCDCDA	CCDC	1
30F POWER SUPPLY	72FF0	CCDCF	CCDC	A
30F RECEIVER TRANSMITTER	72FG0	CCDCG	CCDC	8
30F RECEIVER TRANSMITTER	72FH0	CCDCH	CCDC	8
30L ANTENNA	72FK0	CCDCK	CCDC	8
30E ANTENNA	72FL0	CCDCL	CCDC	8
30E ELECTRONIC MARKER GEN	72KM0	CCDCM	CCDC	2
30E CONTROL GEN	72PN0	CCDCN	CCDC	2
30E ANTENNA CONTROL	72RPO	CCDCP	CCDC	8
30E STABILIZATION GEN	72FF0	CCDCR	CCDC	2
30E WAVEFORM CONVERTER SYS		CCDCY	CCDC	111111111
30F CONVERTER CV-402A/AP	72331	CCDCYA	CCDCY	A
30E MOUNT	72332	CCDCYB	CCDCY	0
30E RADAR PRESSURIZATION		CCDCZ	CCDC	000000000
30E COMPRESSOR	72321	CCDCZA	CCDCZ	A
30E CONTROL	72322	CCDCZB	CCDCZ	A
30E DEHYDRATOR	72323	CCDCZC	CCDCZ	0
30E PRESSURE SWITCH	72324	CCDCZD	CCDCZ	5
30E DOPPLER COMPUTER		CCDD	CCD	111111111
30E DOPPLER INPUT		CCDD	FBXL	001111110
30F AUX CONTROL C-3749A	7278P	CCDDP	CCDD	3
30E CHASSIS RELAY	7278Q	CCDDQ	CCDD	5
30E COMPUTER	72781	CCDDR	CCDD	8
30E CONTROL INDICATOR	72782	CCDDS	CCDD	8
30E CONTROL INDICATOR	72785	CCDDT	CCDD	8
30E DOPPLER RADAR ZAPN-147C		CCDE	CCDD	AAAAAAAAA
30E FREQUENCY TRACKER CASE	7277A	CCDEA	CCDE	0
30E COVER ASSY	7277B	CCDEB	CCDE	0
30F SIGNAL COMPARATOR	7277J	CCDEJ	CCDE	A
30F CHASSIS ASSY	7277K	CCDEK	CCDE	1
30E TERMINAL BOARD	7277Q	CCDEQ	CCDE	1
30E CONTROL	72772	CCDEI	CCDE	A
30F FREQUENCY TRACKER	72773	CCDEU	CCDE	A
30F RECEIVER TRANSMITTER	72774	CCDEV	CCDE	8
30E MOUNTING CV 1181	72776	CCDEW	CCDE	1
30E MOUNTING RT 625	72777	CCDEX	CCDE	1
30E ANTENNA	72778	CCDEY	CCDE	A
30E FREQUENCY MIXER CV 1186	7277H	CCDEZ	CCDE	1
30E DOPPLER RADOME	11438	CCDFZA	CCDE	1
30E AUTO DIRECTION FINDING		CCDG	CCD	111111111
30E AMPLIFIER	69211	CCDGA	CCDG	A
30E ANTENNA	69212	CCDGB	CCDG	A
30E RELAY ANT CHANGEOVER	69213	CCDGC	CCDG	3
30E MOUNT ASSY	69214	CCDGD	CCDG	1
30E CONTROL RELAY	69215	CCDGE	CCDG	8
30F ADF LOOP	11120	CCDGF	CCDG	0
30F RADIO COMPASS XFA OF 2 SYS<		CCDH	CCD	111111111
30F RADIO COMPASS XFA OF 2 SYS<		CCDH	CCT	F111111111
30E TUNING DRIVE MOTOR	7111A	CCDHA	CCDH	A
30E ANTENNA XSENSE<	7111B	CCDHB	CCDH	A

PGC095.J1R1 DATE = 08/17/70

FLIGHT SAFETY PREDICTION TECHNIQUE

00000000111111112222222222333333333344444444445555555555666666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890

30F CONTROL RELAY	71110	CCDHC	CCDH	A
30F IF AMP	71110	CCDHD	CCDH	A
30F ANTENNA LOOP	71111	CCDHG	CCDH	5
30F CONTROL PANEL	71112	CCDHF	CCDH	3
30F RELAY	71114	CCDHJ	CCDH	5
30F RECEIVER	71115	CCDHK	CCDH	3
30F AMPLIF	71116	CCDHL	CCDH	A
30F RACK ASSY	71117	CCDHM	CCDH	1
30F MOUNT ASSY	71118	CCDHN	CCDH	0
30F RANGE FILTER F90 3EA	64215	CCDHP	CCDH	1
30F FILTER GF1523XARN-6K	6446A	CCDHW	CCDH	1
30F MASTER COMPASS*EA OF 2 SYS<		CCDJ	CCD	111111111
30F HEADING		CCDJ	FXKL	AAAAAAAAA
30F COMPENSATOR	5221A	CCDJA	CCDJ	5
30F TRANSMITTER FLUX VALVE	5221H	CCDJB	CCDJ	A
30F ROLL STAB DIRECTION GYRO	5221C	CCDJC	CCDJ	3
30F NI VERTICAL GYRO	5221D	CCDJD	CCDJ	3
30F SERVO MECH. ASSY	5221L	CCDJE	CCDJ	A
30F COMPASS REPEATER PANEL	5221F	CCDJF	CCDJ	0
30F N-1 COMPASS AMPL	52213	CCDJJ	CCDJ	A
30F COMPASS SIGNAL POWER AMPL	52214	CCDJK	CCDJ	A
30F DIRECTIONAL GYRO	52215	CCDJL	CCDJ	5
30F COMPASS SLAVE CONTROL	52216	CCDJM	CCDJ	3
30F N-1 COMPASS INTERLOCK RLY	52217	CCDJN	CCDJ	1
30F TRANSMITTER C-2	52218	CCDJP	CCDJ	A
30F DIRECTIONAL GYRO	52311	CCDJQ	CCDJ	5
30F CONTROL DIGITAL	52312	CCDJR	CCDJ	3
30F COMPENSATOR REMOTE	52313	CCDJS	CCDJ	5
30F MAGNETIC AZIMUTH DETECTOR	52315	CCDJT	CCDJ	A
30F AMPLIFIER-POWER SUPPLY	52320	CCDJV	CCDJ	A
30F AWADS		CCDK	CCD	000111000
30F RADAR*APQ122<		CCDL	CCDK	22222222
30F ANTENNA AS-2446	72MA0	CCDLA	CCDL	A
30F ELECT. CONT. AMPL. *AM-6225<	72MFC	CCDLB	CCDL	A
30F ANTENNA CONT. *C-8290	72MCO	CCDLC	CCDL	5
30F REVR-XMTR RT 974	72MD0	CCDLD	CCDL	3
30F REVR-XMTR KA BAND RT 795	72ME0	CCDLE	CCDL	3
30F CONTROL X BAND C-8295	72MFC	CCDLF	CCDL	3
30F CONTROL KA BAND C-8294	72MGC	CCDLG	CCDL	3
30F CONTROL PILOT IND C-8293	72MH0	CCDLH	CCDL	1
30F CONTROL NAV. IND. C-8292	72MJO	CCDLJ	CCDL	1
30F PILOT INDICATOR IP-988	72MK0	CCDLK	CCDL	1
30F NAV. INDICATOR IP-987	72ML0	CCDLL	CCDL	1
30F CURSOR CONTROL	72MM0	CCDLM	CCDL	1
30F MOUNT NAV IND	72MNO	CCDLN	CCDL	0
30F MOUNT ECA	72MPO	CCDLP	CCDL	0
30F MOUNT SWEEP GEN	72MQ0	CCDLQ	CCDL	0
30F MOUNT MT-4223/A	72MFO	CCDLR	CCDL	0
30F SWEEP GEN	72MSC	CCDLS	CCDL	A
30F FREQN PRESSURE SYSTEM	72MTC	CCDLT	CCDL	A

PGG095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

00000000111111112222222223333333334444444445555555556666666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890
30E INTRAFORMATION POSITION SYS          CCDM          CCDK          22222222
30E MOUNT ASSY                          72LAA          CCDMA          CCOM          1
30E CODER DECODER                       72LBQ          CCDMB          CCOM          A
30E REC-TRAN RT 786A                    72LCG          CCDMC          CCOM          8
30E RADOME CW 948A                      72LAC          CCDDM          CCOM          5
30E MOUNT MT 4124                       72LAF          CCDEE          CCOM          1
30E CONTROL C-6635A                     72LAG          CCDMG          CCOM          5
30E AMPLIFIER AM-6308                   72LAH          CCDMH          CCOM          A
30E INDICATOR IP-1636                   72LAJ          CCDMJ          CCOM          5
30E INDICATOR IO 1728                   72LAK          CCDMK          CCOM          5
30E CONTROL C7956                       72LAL          CCDDL          CCOM          8
30E ANTENNA PEDESTAL AR-1034            72LAM          CCLMM          CCOM          8
30E ANTENNA AS-1748A                    72LAN          CCDMN          CCOM          8
30E ANTENNA AS-1799                     72LAP          CCDDP          CCOM          8
30E NAVIGATIONAL COMPUTER                CCBN          CCCK          33333333
30E CONTROL                            72NAA          CCUNA          CCUN          3
30E CONTROL                            72NAB          CCUNB          CCUN          3
30E CONTROL                            72NAC          CCUNC          CCUN          3
30E CONTROL                            72NAD          CCUND          CCUN          3
30E CONTROL                            72NAE          CCUNE          CCUN          3
30E TEMPERATURE PROBE                   72NAF          CCUNF          CCUN          3
30E MOUNT                               72NAJ          CCUNJ          CCUN          0
30E MOUNT                               72NAK          CCUNK          CCUN          0
30E MODULE                              72NAL          CCUNL          CCUN          A
30E PANEL ASSY                          72NAM          CCUNM          CCUN          1
30E COMPUTER CP-641                     72NBO          CCUNN          CCUN          8
30E CONVERTER PP-3214                   72NCO          CCUNP          CCUN          8
30E AIR DATA MEASUREMENT/COMP          CCOP          CCUN          AAAAAAAAAA
30E TUBE ASSY 858DG                     51FAC          CCOPA          CCOP          A
30E SIGNAL CONDITIONING AMPL            51FBO          CCOPB          CCOP          A
30E TOTAL TEMP SYSTEM                   51FCO          CCOPC          CCOP          8
30E TRANSDUCER 0-16 PSIA                51FDO          CCOPD          CCOP          A
30E TRANSDUCER 0-2 PSID                 51FEO          CCOPE          CCOP          A
30E TRANSDUCER 6 - 1 PSID               51FFO          CCOPF          CCOP          A
30E TRANSDUCER -162 PSID                 51FGO          CCOPG          CCOP          A
30E SYSTEM PLUMBING                     51FHO          CCOPH          CCOP          A
30E CPU 43/A                            52410          CCOPJ          CCOP          8
30E RADAR COOLING                       CCDO          CCOL          AAAAAAAAAA
30E BLOWER FAN                          41BAA          CCDOA          CCDO          A
30E PLENUM                              41BAB          CCDOB          CCDO          1
30E FILTER                              41BAC          CCDOC          CCDO          1
30E SHUTOFF VALVE L/R                   41BAE          CCDOE          CCDO          5
30E SWITCH                              41BAF          CCDOF          CCDO          5
30E SWITCH                              41BAG          CCDOG          CCDO          5
30E ROTON BLOWER                        41CAA          CCDOH          CCDO          A
30E RADOME ANTI ICE                     CCOR          CCOL          A AAAAAAAAAA
30E PRESSURE RELIEF VALVE                41531          CCORA          CCOR          2
30E THROTTLING/SHUTOFF VALVE            41532          CCORR          CCOR          A
30E REGULATOR                          41533          CCORC          CCOR          5
30E THERMOSTAT                          41535          CCORD          CCOR          5

```


PGG095.JIR1 DATE = 05/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

00000000111111111222222222233333333334444444445555555556666666667777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890

30E EJECTOR	41536	CCDRF	CCDR	1	
30E CONTROL PANEL	41527	CCDRF	CCDR	5	
30E/ COUPLING ASSY	41538	CCDRG	CCDR	1	
30E FLIGHT DIRECTOR KEA OF 2 SYC		CCL	CCA		111111111
30E FLIGHT DIRECTOR		CCF	DAD		111111111
30E SWITCHING UNIT	51820	CCFC	CCF	1	
30E INST. SWITCHING RELAY	51820	CCFD	CCL	2	
30E COMPUTER	51828	CCFE	CCF	8	
30E COMPUTER	51821	CCFE	CCF	8	
30E RATE GYRO	51824	CCFJ	CCF	3	
30E DISPLACEMENT GYRO	51825	CCFK	CCL	5	
30E RATE GYRO XMTR	51826	CCFL	CCF	5	
30E PILOT RADIO PNL	51827	CCFM	CCF	1	
30E RELAY	51828	CCFN	CCF	2	
30E APPROACH AND LANDINGS		CCF	CCA		000000120
30E MARKER BEACON *51Z-3/4<		CCFA	CCF		111111111
30E RECEIVER	71221	CCFAA	CCFA	8	
30E ANTENNA	71222	CCFAB	CCFA	8	
30E SENSATIVITY CONTROL SWITCH	71223	CCFAC	CCFA	1	
30E LAMP 33-A<	71224	CCFAD	CCFA	3	
30E RECEIVER	71231	CCFAE	CCFA	8	
30E ANTENNA	71232	CCFAF	CCFA	8	
30E CONTROL SWITCH	71233	CCFAG	CCFA	5	
30E LAMP 33-A<	71234	CCFAH	CCFA	3	
30E TALAR SYS KARN-97<		CCFC	CCF		111111111
30E RECEIVER	71811	CCFCA	CCFC	8	
30E AMPLIFIER OR-37	71812	CCFCB	CCFC	8	
30E MOUNT MT-4054	71813	CCFCC	CCFC	0	
30E ANTENNA AS-2277	71814	CCFCD	CCFC	8	
30E GLIDESLOPE * FA OF 2<		CCFD	CCF		111111111
30E GLIDESLOPE INPUT		CCFD	FCV		AAAAAA444
30E ANTENNA	71711	CCFDA	CCFD	3	
30E ANTENNA	71712	CCFDB	CCFD	3	
30E ANTENNA	71713	CCFDC	CCFD	3	
30E INDICATOR	71714	CCFDD	CCFD	A	
30E MOUNT	71715	CCFDE	CCFD	0	
30E RECEIVER	71716	CCFDE	CCFD	8	
30E RECEIVER	71721	CCFDG	CCFD	8	
30E INDICATOR ARJ 28/A	71722	CCFDH	CCFD	A	
30E COMPUTER	71723	CCFDJ	CCFD	8	
30E MOUNT	71724	CCFDK	CCFD	0	
30E ANTENNA	71725	CCFDL	CCFD	8	
30E VOR NAV KEA OF 2<		CCFE	CCF		111111111
30E VOR INPUT		CCFE	FEAF		001111110
30E RECEIVER	71611	CCFEA	CCFE	A	
30E INSTRUMENTATION UNIT	71612	CCFEB	CCFE	A	
30E CONTROL	71613	CCFEC	CCFE	3	
30E MOUNT	71614	CCFED	CCFE	0	
30E ANTENNA	71615	CCFEE	CCFE	A	
30E POWER RELAY	71616	CCFEF	CCFE	A	

PGG095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

0000000001111111112222222223333333334444444445555555556666666667777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890

30E MOUNT ASSY RCVR	7141A	CCFFG	CCFE	0
30E ANTENNA	71411	CCFEH	CCFE	A
30E CONTROL PANEL	71412	CCFEJ	CCFE	2
30E DYNAMOTOR DY 84	71416	CCFEK	CCFE	A
30E RECEIVER	71417	CCFEL	CCFE	8
30E RACK ASSY	71418	CCFEM	CCFE	1
30E DYNAMOTOR DY 66	71413	CCFEN	CCFE	A
30E DYNAMOTOR DY 66A	71414	CCFEP	CCFE	A
30E DYNAMOTOR DY 66B	71415	CCFEQ	CCFE	A
30E ARN 14 VHF NAV SYS	71410	CCFER	CCFE	1
30E TONE/VOICE MONITOR		CCT	CCA	000000000
30E TONE/VOICE MONITOR		CCT	CCF	F111111111
30E MONITOR PANEL	6442A	CCTA	CCT	A
30E INFORMATION AND DISPLAY		D		AAAAAAAAA
30E FLIGHT STATUS		DA	D	011111130
30E ALTITUDE INFO		DAA	DA E	00A111AAC
30E ANGLE OF ATTACK		DAB	DA E	000000010
30E ANG ATT/STALL WARN INDICATE		DABA	DAB	AAAAAAAAA
30E CONTROL BOX	5100D	DARAA	DABA	6
30E WIRING	5100J	DAHAB	DABA	1
30E JUNCTION BOX	5100K	DABAC	DABA	1
30E MOUNTS	5100L	DARAD	DABA	0
30E TEST SWITCH	5100G	DABAE	DABA	0
30E LIGHT PRESS-TO-TEST	5100H	DABAF	DABA	0
30E ANG ATT/STALL WARN COMPUTE		DABB	DABA	AAAAAAAAA
30E COMPONENTS	5100O	DABBA	DABB	0
30E VISUAL DISPLAY		DABC	DABA	111111111
30E INDICATOR #2EAC	5100A	DABCA	DABC	1
30E AUDIO INDICATION		DABD	DABA	111111111
30E HORN-WARNING	5100E	DABDA	DABD	A
30E RELAY-HORN	5100F	DABDR	DABD	A
30E VANE POSITION SENSING		DABE	DAHR	AAAAAAAAA
30E XMITTER WING	5100R	DABEA	DABE	A
30E SENSOR ASSY	5100A	DABEB	DABE	A
30E FLAP POSITION		DABF	DABB	AAAAAAAAA
30E XMITTER-FLAP	5100C	DABFA	DABF	A
30E A/A ANTI-ICING		DABJ	DABE A	777777777
30E VANE	41611	DABJA	DABJ	A
30E SWITCH	41612	DABJB	DABJ	A
30E AIR SPEED INFORMATION		DAC	DAX	0A10101A0
30E IAS INDICATION		DACA	DAC	111111111
30E INDICATOR-AIR SPEED #2EAC	51111	DACAA	DACA	1
30E TAS INDICATION		DACB	DAC	111111111
30E INDICATOR-TRUE AIRSPEED	51112	DACBA	DACB	A
30E TEMPERATURE BULB	5111C	DACBR	DACB	A
30E ATTITUDE INFORMATION		DAD	DA E	0000000A0
30E PITCH/ROLL INDICATION		DADA	DAD	AAAAAAAAA
30E INDICATOR ARU-2R/A	51822	DADAA	DADA	1
30E SLIP/TURN INDICATION		DADR	DAD	111111111
30E INDICATOR ARU-2R/A	51822	DADBA	DADR	1

PG0095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

000000001111111122222222223333333344444444555555556666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890
3006-LOAD INDICATION DAF DAX 000000000
300 ACCELEROMETER 51118 DAFA DAF A
300 RADAR ALTIMETER DAF DAF 111111111
300 HIGH RANGE PROCESSING DAFA DAF 001111111
300 APN-133 RAD ALT 72220 72760 DAFAA DAFA B
300 INDICATOR ID-152F 72761 DAFAAA DAFA A
300 MOUNTING MT-2500 72762 DAFAAB DAFA O
300 MOUNTING MT-1746A 72763 DAFAAC DAFA O
300 REC-XMITTER RT-529 72767 72764 DAFAAD DAFA B
300 VISOR M-387 72765 DAFAAE DAFA O
300 ANTENNA AT-613 72766 DAFAAF DAFA A
300 REC-XMITTER RT-529A 72769 72767 DAFAAG DAFA B
300 INDICATOR IP-667 72768 DAFAAH DAFA A
300 SCR-713 RAD ALT 72760 72220 DAFAAB DAFA B
300 AMPLIFIER 72721 DAFAAB DAFA A
300 ANTENNA 34EAC 72722 DAFAAB DAFA 1
300 INDICATOR 72723 DAFAAB DAFA A
300 RECEIVER-TRANSMITTER 72724 DAFAAB DAFA B
300 VISOR 72725 DAFAAB DAFA O
300 CONNECTOR 9 EA 72727 DAFAAB DAFA 1
300 LOW RANGE PROCESSING DAFH DAF 001100110
300 APN-22 RAD ALT 72150/72750 72110 DAFAA DAFA B
300 ANTENNA RECEIVER 7211A DAFAAA DAFA A
300 REC-XMITTER RT-160 7211B DAFAAB DAFA B
300 CY-1409 7211D 7211C DAFBAC DAFA B
300 CY-1409A 7211C 7211D DAFBAG DAFA B
300 MAGNETRON 7211E DAFBAP DAFA A
300 AMPLIFIER AM-291 7211F DAFBAP DAFA A
300 MODULATOR 7211G DAFBAG DAFA A
300 SWEEP GENERATOR 7211H DAFBAB DAFA A
300 SERVO AMPLIFIER 7211J DAFBAB DAFA A
300 POWER SUPPLY 7211K DAFBAB DAFA A
300 RELIABILITY 7211L DAFBAL DAFA O
300 AUDIO AMPLIFIER 7211M DAFBAM DAFA A
300 SERVO UNIT 7211N DAFBAN DAFA A
300 CHASSIS 7211P DAFBAP DAFA O
300 MOUNT MT-803 7211Q DAFBAP DAFA O
300 INDICATOR ID-257 72113 72112 DAFBAP DAFA A
300 INDICATOR ID-257A 72112 72113 DAFBAS DAFA A
300 APN-171 RAD ALT 72750/72110 72150 DAFBAB DAFA B
300 REC-XMITTER RT-804 7215A DAFBBA DAFA B
300 XMITTER 962578-1 7215B DAFBBA DAFA A
300 RECEIVER 962517-1 7215C DAFBBC DAFA A
300 SERVO ASSY 7275A DAFBBCA DAFA A
300 REC-TRAN HG9050D4 7215D DAFBBD DAFA B
300 TRANS-MODULE 7215E DAFBRE DAFA A
300 NETWORK AG 7215F DAFBRE DAFA A
300 CHASSIS AND FILTER ASSY 7215G DAFBGG DAFA A
300 PRINTED CIRCUIT CARD 7215H DAFBHH DAFA A
300 INDICATOR DJG-206A7 7215J DAFBHJ DAFA A

```


PGG095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

0000000001111111112222222223333333334444444445555555556666666667777777778
 12345678901234567890123456789012345678901234567890123456789012345678901234567890

30E ANTENNA LG-81A	7215K	DAFBBK	DAFB	A
30E IF AMPLIFIER 962568-1	72151	DAFBBL	DAFB	A
30E NETWORK NO 1	72152	DAFBBL	DAFB	A
30E NETWORK NO 2	72153	DAFBBL	DAFB	A
30E NETWORK NO 3	72154	DAFBBL	DAFB	A
30E NETWORK NO 4	72155	DAFBBL	DAFB	A
30E POWER SUPPLY 962590-1	72156	DAFBBL	DAFB	A
30E INDICATOR ID-1345	72157	DAFBBL	DAFB	A
30E ANTENNA AS-1858	72158	DAFBBL	DAFB	A
30E APN-150 RAD ALT 72110/72150	72750	DAFB	DAFB	8
30E XLATOR OSCILLATOR	72758	DAFB	DAFB	A
30E INDICATOR ID-966	72756	72751	DAFB	A
30E RAD RECEIVER R1085	72752	DAFB	DAFB	A
30E ELEC CONT AMPLIFIER AM-3063	72753	DAFB	DAFB	A
30E MOUNT MT-2585	72754	DAFB	DAFB	0
30E XMITTER T-853	72755	DAFB	DAFB	A
30E INDICATOR ID-950	72751	72756	DAFB	A
30E INDICATOR ID-1143	72757	DAFB	DAFB	A
30E ALT PRESSURE SWITCH	72758	DAFB	DAFB	A
30EWC-130E NON DOCUMENTED SYST		DAFC	DAF	000000000
30E APN-42 RADAR ALTIMETER SYST	72000	DAFCA	DAFC	0
30E BAROMETRIC ALTIMETER		DAG	DAA	111111111
30E ALTIMETER	5114E	DAGA	DAG	1
30E ALT.ENCODER AAU-21/A	5114J	DAGB	DAG	0
30E ALTIMETER AAU-27/A	5114K	DAGC	DAG	1
30EVERTICAL VELOCITY		DAH	DAA	000000000
30E IND-RATE OF CLIMB 22FAK	51113	DAHA	DAH	1
30ESTATIC PRESSURE EA OF 2 SYS		DAK	DAC	111111111
30ESTATIC PRESSURE EA OF 2 SYS		DAK	DAG	111111111
30ESTATIC PRESSURE EA OF 2 SYS		DAK	DAH	111111111
30E STATIC PRESSURE INPUT		DAK	FCT	AAAAAAAAA
30E MANIFOLD	5111A	DAKA	DAK	A
30E LINE-STATIC	51115	DAKH	DAK	A
30E PORT-STATIC	51116	DAKC	DAK	A
30EPITOT PRESSURE EACH OF 2		DAL	DAC	111111111
30EPITOT ANTI-ICING		DALA	DAL	AAAAAAAAA
30E PROBE 102A2W	51CCA	DALAA	DALA	1
30E HEATER ELEMENT	51CCR	DALAB	DALA	A
30E INDICATOR EHV-22	51CCC	DALAC	DALA	1
30E DE-ICE SWITCH	51CCD	DALAD	DALA	A
30E MANIFOLD	5111A	DALH	DAL	1
30E LINE-PITOT	51114	DALC	DAL	1
30E HEAD-PITOT	51117	DALO	DAL	1
30FATTENUATION		DAX	DA	111111111
30EWARNINGS		DB	D	AAAAAAAAA
30EMASTER FIRE WARNING		DBA	DB	X
30EVISUAL DISPLAY		DBAA	DBA	111111111
30E LAMP ASSY-MASTER	49124	DRAAA	DRAA	A
30EAUDIO INDICATOR		DBAB	DBA	111111111
30E AMPLIFIER	49141	DBABA	DBAB	A

FLIGHT SAFETY PREDICTION TECHNIQUE

D-64

PG095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

000000001111111122222222233333333344444444555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890

30F SWITCH-CONTROL	44213	EAOB	EAD	2
30F SWITCH-DIMMING	44214	EADC	EAD	2
30F RESISTOR-DIMMING	44215	EADD	EAD	2
30F LIGHT ASSY	44217	EADE	EAD	1
30F FLOOR LIGHTS-CARGO	44220	EADU	EAD	1
30F SWITCH-CONTROL	44223	EADG	EAD	2
30F RESISTOR-DIMMING	44224	EADH	EAD	1
30F SWITCH-LOADING DR LIMIT	44225	EADJ	EAD	2
30F LIGHT ASSY	44227	EADK	EAD	1
30F LOADING LIGHTS-CARGO	44230	EADL	EAD	1
30F SWITCH-CONTROL	44233	EADM	EAD	2
30F SWITCH-DOOR LIMIT	44234	EADN	EAD	1
30F WORKTABLE-UTILITY LIGHTS	44260	EADP	EAD	1
30F WORK LIGHT, FCO CONSOLE	4426A	EADQ	EAD	1
30F UTILITY LIGHT 20MM GUNS	4426B	EADR	EAD	1
30F UTILITY LIGHT 7.62 GUNS	4426C	EADS	EAD	1
30F UTILITY LIGHT 40MM GUNS	4426D	EADT	EAD	1
30F UTILITY LIGHT FLEC RACK	4426E	EADU	EAD	1
30F LIGHT ASSY	4426I	EADV	EAD	1
30F SWITCH-CONTROL	4426J	EADW	EAD	2
30F RHEDSTAT	4426K	EADX	EAD	2
30F SIGNAL LIGHTS	4429C	EADY	EAD	0
30F LIGHT ASSY	4429I	EADZ	EAD	0
30F SPA LIGHT SYSTEM DC-130F	44400	EADZA	EAD	0
30F LIGHT ASSY	44411	EADZB	EAD	0
30F SWITCH-CONTROL	44412	EADZC	EAD	0
30F LIGHT ASSY	44236	EADZP	EAD	1
30F IMPACT LIGHTS		EAE	EAB	000000000
30F LIGHT ASSY	44310	EAEA	EAE	2
30F BATTERY	44314	EAEB	EAE	A
30F LIGHT ASSY NOSE WHL WELL	44321	EAEF	EAE	2
30F EXTERNAL LIGHTS ATTEN		EAF	FA	111111111
30F EXTERNAL LIGHTS		EAG	EAF	111111111
30F LANDING LIGHTS		EAGA	EAG	0000000A0
30F SWITCH-CONTROL MOTOR	44121	EAGAA	FAGA	A
30F SWITCH-CONTROL LAMP	44122	EAGAB	EAGA	A
30F LIGHT ASSY X2 EAC	44125	EAGAC	EAGA	5
30F NAVIGATION LIGHTS		EAGB	EAG	000000000
30F TELL-TALE MOUNT BRACKET	4411A	EAGBA	FAGR	0
30F SWITCH-CONTROL	44111	FAGBB	EAGB	A
30F SWITCH-DIMMER	44112	EAGBC	FAGB	A
30F FLASHER UNIT	44113	EAGBD	EAGB	A
30F LIGHT ASSY	44117	EAGBE	FAGB	1
30F TELL TALE INDICATOR	44118	EAGBF	FAGR	0
30F ANTI-COLLISION LIGHTS		FAGC	EAG	000000000
30F SWITCH-CONTROL	44133	FAGCA	EAGC	A
30F LIGHT ASSY	44135	FAGCB	FAGC	A
30F TAXI LIGHTS		EAGD	EAG	100000001
30F SWITCH	44141	EAGDA	FAGD	A
30F LIGHT ASSY	44144	EAGDB	EAGD	2

PG0095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

0000000001111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
300 FORMATION LIGHTS EAGF EAG 000000000
300 SWITCH-CONTROL 44161 EAGEA EAGE A
300 LIGHT ASSY 44165 EAGER EAGE 1
300 WING LEADING EDGE LGTS EAGF EAG 000000000
300 SWITCH-CONTROL 44151 EAGFA EAGE A
300 LIGHT ASSY 44154 EAGEB EAGE 1
300 OXYGEN EB E K FD 001111000
300 NORMAL OXYGEN EBA EB EBF 111111111
300 AIR CREW OXYGEN EQUIP EBB EBA 444444444
300 OXYGEN MASK 2 EA 96111 EBB EBB 5
300 OXYGEN MASK MICROPHONE 96122 EBBB EBB 0
300 D-2A REGULATOR 2 EA 47112 4711A EBBB EBB 5
300 D-2 REGULATOR 2 EB 47113 47112 EBBB EBB 5
300 MD-2 REGULATOR 2 EA 4711A 47113 EBBB EBB 5
300 FLIGHT CREW OXYGEN EQUIP EBC EBA 000000000
300 OXYGEN MASK 8 EA 96111 EBCA EBC 1
300 OXYGEN MASK MICROPHONE 96122 EBCB EBC 0
300 D-2A REGULATOR 8 EA 4711A EBC EBC 1
300 D-2 REGULATOR 4 EA 47112 EBCD EBC 1
300 MD-2 REGULATOR 8 EA 47113 EBC EBC 1
300 SUPPLY AND DISTRIBUTION EBD EBA 444444444
300 SUPPLY AND DISTRIBUTION EBD EBA 444444444
300 MANUAL SHUT-OFF VALVE 47110 EBD EBD 5
300 CHECK VALVE 4711E EBD EBD 1
300 MOUNT 47114 EBD EBD 0
300 FILLER VALVE 4711E EBD EBD 1
300 SUPPLY LINE 47122 EBD EBD A
300 HOSE DISTRIBUTION 47123 EBD EBD 2
300 FIX SUPPLY LOK 47320 EBD EBD 0
300 HEAT EXCHANGER 4732A EBD EBD A
300 VALVE DRAIN SP102 4732D EBD EBD 1
300 VALVE MANUAL SHUTOFF 4732E EBD EBD 5
300 TANK 47311 EBD EBD A
300 VALVE 47312 EBD EBD A
300 REGULATOR ASSY CPU-47/A 47322 EBD EBD A
300 CONVERTER 47326 EBD EBD A
300 MOUNT 47323 EBD EBD 1
300 VALVE FILL-BUILD UP VENT 47325 EBD EBD 1
300 LOX QUANTITY AND FLOW EBF EBF 1 FBD 111111111
300 LOX QUANTITY INDICATOR 4732F EBF EBF A
300 FLOW INDICATOR 47327 EBF EBF A
300 GAUGE 47328 EBF EBF 1
300 EMERGENCY OXYGEN EBF EBF K EBA 444444444
300 RECHARGER HOSE 47121 EBF EBF 0
300 MA-1 BOTTLE 4EA 47211 EBF EBF 5
300 A-1 CYLINDER 47212 EBF EBF 5
300 MOUNT 4 EA 47213 EBF EBF 0
300 REGULATOR 4 EA 47215 EBF EBF 5
300 HOSE 4 EA 47216 EBF EBF 5
300 FILLER VALVE 47214 EBF EBF 1

```

PGG095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

0000000001111111112222222223333333334444444445555555556666666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890
30E ANTI-ICE/WINDSHIELDS CLEAR          EC          E          011111120
30E WINDSHIELD CLEAR                    ECA          EC          AAAAAAAAAA
30E RAIN REMOVAL                        ECB          ECA      G      111111181
30E WINDSHIELD WIPE CONTROL             FCC          ECB          AAAAAAAAAA
30E CONTROL SWITCH                      49522 ECCA          FCC          A
30E TAPPED RESISTOR                     49523 ECCB          ECC          1
30E WINDSHIELD WIPE                     ECD          ECB          AAAAAAAAAA
30E FLEX DRIVE 2EA                      49511 ECDA          ECD          1
30E CONVERTER 2EA                      49512 ECDB          ECD          1
30E DRIVE ARM 2EA                      49513 ECDC          ECD          5
30E TIE-ROD 2EA                        49514 ECDD          ECD          1
30E PIVOT BOLT 2EA                     49515 ECDE          ECD          1
30E MOUNTING PLATE 2EA                  49516 ECDF          ECD          0
30E BLADE 2EA                          49517 ECDG          ECD          2
30E MOTOR 2EA                          49521 ECDH          ECD          1
30E WINDOW ANTI-ICE                     ECE          FCA      A      111111181
30E CENTER WINDSHIELD                   ECEA          ECE      ECEB 666666666
30E RELAY                              41541 ECEAA          ECEA          A
30E RHEDSTAT                           41542 ECEAB          ECEA          A
30E THERMISTOR                         41543 ECEAC          ECEA          A
30E HEATING ELEMENT                    41546 ECEAD          ECEA          A
30E SIDE AND LOWER WINDOWS              ECEB          ECE      K ECEA AAAAAAAAAA
30E RELAY                              41541 ECEBA          ECEB          A
30E RHEDSTAT                           41542 ECEBB          ECEB          A
30E THERMISTOR                         41543 ECEBC          ECEB          A
30E HEATING ELEMENT                    41546 ECEBD          ECEB          6
30E WINDOW ANTI-ICE CONTROL             ECEC          ECE          AAAAAAAAAA
30E TRANSFORMER                        41544 ECECA          ECEC          A
30E CONTROL BOX                        41545 ECECB          ECEC          A
30E WINDSHIELD DEFOG                    ECF          ECA      Y      111111111
30E DEFOGGER CONTROL                   41115 ECEFA          ECF          A
30E FLIGHTDECK DEFOG VALVE ZFA41126 ECFB          ECF          2
30E DEFOG MANIFOLD SHUT VALVE 41127 ECFC          ECF          2
30E DUCTING                             41131 ECFD          ECF          1
30E WING AND EMPENNAGE ANTI-ICE          ECG          EC      A      AAAAAAAAAA
30E WING ANTI-ICE                       ECH          ECG          222222222
30E WING-ANTI-ICE                       ECH          ECN          FAAAAAAAAAA
30E THERMOSWITCH 8EA                   41561 ECHA          ECH          1
30E DUCT ANTI-ICE WING                  41562 ECHB          ECH          1
30E EJECTOR 10 EA                      41564 ECHC          ECH          1
30E COUPLING ASSY                      41565 ECHD          ECH          1
30E ANTI-ICE VALVE 4EA                  41424 ECHF          ECH          5
30E SWITCH WING ANTI-ICE                9941A ECHF          ECH          A
30E ICE DETECTION WING                  ECJ          ECH          222222222
30E INDICATOR ANTI-ICE TEMP4EA41814 ECJA          ECJ          5
30E BULB-RESISTANCE 4EA                41815 ECJB          ECJ          5
30E EMPENNAGE ANTI-ICE                  ECK          ECG          555555555
30E EMPENNAAGE ANTI-ICE                 ECK          ECN          FAAAAAAAAAA
30E CONTROL THERMOSTAT 4EA             9941C ECKA          ECK          6
30E DUCT ANTI-ICE EMPENNAGE            41563 ECKB          ECK          1

```

PG0705.J1R1 DATE = 07/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

000000001111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
300 EJECTOR 4 EA 41564 ECKC ECK 1
300 COUPLING ASSY 41565 ECKD ECK 1
300 ANTI-ICE VALVE 2EA 41427 ECKE ECK A
300 SWITCH EMPENNAGE ANTI-ICE 9941A ECKF ECK A
300 ICE DETECTION EMPENNAGE ECL ECL 222222222
300 INDICATOR ANTI-ICE TEMP2EA41814 ECLA ECL 5
300 BULB-RESISTANCE 4EA 41815 ECLB ECL 5
300 PILOT ACTION ECM ECM AAAAAAAAAA
300 OVERHEAT WARNING ECM ECM AAAAAAAAAA
300 OVERHEAT THERMOSTAT WG 8EA9941D ECMA ECM 5
300 OVERHEAT THERMOSTAT EMP4EA9941E ECMB ECM 5
300 AIR COND/PRESSURIZATION ED ED 011111120
300 AIRCRAFT PRESSURIZATION EDA ED 001222100
300 PRESSURE CONTROL EDAA EDA 222222222
300 PRESSURE CONTROL EDAA EDAA FAAAAAAAAA
300 PRESSURE CONTROLLER 41311 EDAAA EDAA 2
300 PANEL 41312 EDAAAB EDAA 1
300 BREAKER PANEL 41313 EDAAAC EDAA 1
300 AIR PRESSURE GAGE 41314 EDAAAD EDAA A
300 FILTER 41315 EDAAAE EDAA 0
300 AUTO PRESSURE EDAB EDAB EDAC 111111111
300 AIR CONDITION MASTER SW 41312 EDABA EDAB 1
300 CABIN PRESS OUTFLOW VLV 41321 EDABB EDAB 5
300 CABIN SAFETY VALVE 41322 EDABD EDAB 1
300 FILTER 41325 EDABD EDAB 0
300 JET 41331 EDABE EDAB 1
300 SCREEN 41332 EDABF EDAB 0
300 FILTER ASSY 41333 EDABG EDAB 0
300 TUBING JET PUMP ASSY 41334 EDABH EDAB 1
300 SEAL PRESSURIZATION 41341 EDABJ EDAB 2
300 LINKAGE 4112E EDABK EDAB A
300 MANUAL PRESSURE EDAC EDAA K EDAB AAAAAAAAAA
300 MANUAL PRESSURE EDAC EDAC FAAAAAAAAA
300 CABIN PRESS OUTFLOW VLV 41321 EDACB EDAA 5
300 CABIN SAFETY VALVE 41322 EDACC EDAA 1
300 FILTER 41325 EDACD EDAA 0
300 JET 41331 EDACF EDAA 1
300 SCREEN 41332 EDACF EDAA 0
300 FILTER ASSY 41333 EDACG EDAA 0
300 TUBING JET PUMP ASSY 41334 EDACH EDAA 1
300 SEAL PRESSURIZATION 41341 EDACJ EDAA 2
300 MANUAL PRESSUAL CONT SW 41312 EDACK EDAA 1
300 LINKAGE 4112E EDACL EDAA A
300 EMERGENCY DEPRESS EDBA EDAB K EDDB AAAAAAAAAA
300 NORMAL DEPRESS EDDB EDAB EDRA 111111111
300 CONTROL PANEL DEPRESS SW 41312 EDDBA EDDB 1
300 NORMAL EMERG DEPRESS EDDB EDDB EDDB 111111111
300 DUMP VALVE 41323 EDDBA EDDB 5
300 CONTROL SWITCH 41312 EDDBB EDDB 1
300 MANUAL EMERG OVER RIDE EDDB EDDB K EDDB AAAAAAAAAA

```


PGG095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

0000000001111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890

30E	RELEASE MECHANISM	1136E	EDBDA	EDBD	A
30E	BELL CRANK	1136F	EDBD8	EDBD	A
30E	BUSHING	1136G	EDBDC	EDBD	1
30E	ROD	1136N	EDBD0	EDBD	A
30E	DOOR ASSY	1136Q	EDBDE	EDBD	5
30E	FRAME DOOR ASSY	11361	EDBDF	EDBD	0
30E	LATCH MECHANISM	11364	EDBDG	EDBD	1
30E	RETRINER	11365	EDBDH	EDBD	1
30E	CABIN PRESSURE INFO		EDBE	EDAC	111111111
30E	DIFFERENTIAL PRESS IND	41811	EDBEA	EDBE	A
30E	VIRT VEL IND RATE OF CLMB	41812	EDBEB	EDBE	1
30E	PRESSURE ALTIMETER	41813	EDBEC	EDBE	1
30E	DOORS AND WINDOWS CLOSED		EDBF	EDB	FAAAAAAAAAA
30E	DOORS AND WINDOWS CLOSED		EDBF	EDA	AAAAAAAAAA
30E	RETAINER WINDSHIELD	11118	EDBFA	EDBF	A
30E	LATCH WINDSHIELD	1111J	EDBFB	EDBF	A
30E	LATCH EYE BOLD FWD CARGO	1122A	EDBFC	EDBF	A
30E	LATCHING MECH FWD CARGO	1122B	EDBFD	EDBF	A
30E	HOOK	1124D	EDBFF	EDBF	A
30E	HOOK BELLCRANK	1124K	EDBFG	EDBF	A
30E	HINGE	11243	EDBFH	EDBF	5
30E	LATCHING MECH AFT DOOR	1126A	EDBFJ	EDBF	A
30E	HINGE PIN	11265	EDBFK	EDBF	A
30E	LATCH	11267	EDBFL	EDBF	A
30E	LOCK ASSY MLC DOOR	11276	EDBFM	EDBF	A
30E	LOCK MECH NOSE LOG DOOR	11286	EDBFN	EDBF	A
30E	LATCH ASSY AIR DEFLECT DR	11298	EDBFP	EDBF	A
30E	LATCH ASSY CREW DR	11317	EDBFQ	EDBF	1
30E	TRACK ASSY PARATRP DR	11325	EDBFR	EDBF	1
30E	LATCH MECH PARATRP DR	11326	EDBFS	EDBF	A
30E	LATCH MECH EMER EXIT DR	11334	EDBFT	EDBF	A
30E	LEVER EMER EXIT	1133C	EDBFU	EDBF	A
30E	LATCH MECH ACCESS DR	11346	EDBFV	EDBF	A
30E	LEVER ACCESS DR	11345	EDBFW	EDBF	A
30E	BACK UP DEPRESSURIZATION		EDBG	EDA	K EDBF 55555555
30E	BACK-UP DEPRESSURIZATION		EDBG	EDA	X AAAAAAAAAA
30E	AIRCRAFT AIR CONDITION		EDC	ED	F00333100
30E	AIRCRAFT AIR CONDITION		EDC	EDA	AAAAAAAAAA
30E	AIR CONDITION MODE SELECT		EDCA	EDC	AAAAAAAAAA
30E	AIR COND MASTER SWITCH	41312	EDCAA	EDCA	1
30E	LINKAGE	4112F	EDCAB	EDCA	A
30E	CABIN AIR COND DIST		EDD	CCDC	AAAAAAAAAA
30E	FLT STA AIR COND DIST		EDD	ECF	F11111111
30E	FLT STA AIR COND DIST		EDD	EDL	11111111
30E	BREAKER PANEL	41111	EDDA	EDD	1
30E	BLOWER THERMOSTAT	41118	EDDB	EDD	0
30E	ROTARY ACTUATOR	4112A	EDDC	EDD	1
30E	RECIRCULATING BLOWER	41128	EDDCO	EDD	1
30E	FLOW DIVERTER	4113A	EDDCE	EDD	1
30E	CLAMP ASSY V BAND	4113B	EDDCF	EDD	0

PGG095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

0000000001111111112222222222333333333344444444445555555555666666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890

30F	GASKET ALUM 2 INCH	41130	EDDCG	EDD	0	
30F	DUCTING	41131	EDDCH	EDD	1	
30F	INSULATION BLANKET	41134	EDDCJ	EDD	0	
30F	RETAINER	41136	EDDCK	EDD	0	
30F	BUTTERFLY DIVERT VLV 2EA	41124	EDDCL	EDD	0	
30F	FLT STA TEMP CONT		EDF	EDD		AAAAAAAAA
30F	THERMOSTAT CABIN	41113	EDEA	EDF	A	
30F	TEMPERATURE CONTROL BOX	41114	EDFB	EDF	A	
30F	4 IN COLD AIR SHUT OFF	41123	EDFC	EDF	5	
30F	DUCT THERMOSTAT	41138	EDED	EDF	1	
30F	AIR DRYING		EDF	EDF		000000000
30F	FIXED ORIFICE 2 IN	41128	EDFA	EDF	0	
30F	CONDENSER	41151	EDFB	EDF	A	
30F	ELIMINATOR TUBE	41153	EDFC	EDF	0	
30F	SEPARATOR	41154	EDFD	EDF	A	
30F	INSULATION BLANKET	41156	EDFE	EDF	0	
30F	RELIEF VALVE	41157	EDFF	EDF	1	
30F	COUPLING ASSY	41158	EDFG	EDF	1	
30F	AIR TEMP CONTROL		EDG	EDF		111111111
30F	BUTTERFLY DUAL LONT VCV	41125	EDGA	EDG	A	
30F	AIR COOL		EDH	EDF		AAAAAAAAA
30F	COOLING TURBINE P4 201190	41144	EDHA	EDH	A	
30F	HEAT EXCHANGER	41141	EDHB	EDH	A	
30F	COOLING TURBINE	41142	EDHC	EDH	A	
30F	ICE CONTROL SCREEN	41143	EDHD	EDH	1	
30F	BLANKET	41145	EDHE	EDH	1	
30F	DIFF PRESSURE SW	41146	EDHF	EDH	A	
30F	DUCT ANTICIPATOR THERMOST	41147	EDHG	EDH	1	
30F	COUPLING ASSY	41148	EDHH	EDH	1	
30F	ORIFICE SPEED LIMIT	41126	EDHJ	EDH	0	
30F	FLOW CONTROL		EDJ	EDG		FAAAAAA
30F	FLOW CONTROL		EDJ	EDH		AAAAAAAAA
30F	AIR FLOW REGULATOR	41121	EDJA	EDJ	A	
30F	FLIGHT STA FLOW OVERRIDE		EDK	EDJ		AAAAAAAAA
30F	VLVE ASSY MANUAL OVERRIDE	41324	EDKA	EDK	A	
30F	CARGO COMPT AIR COND DIST		EDL	EDC		AAAAAAAAA
30F	CARGO COMPT AIR COND SW	41312	EDLA	EDL	1	
30F	BLOWER MOTOR	41213	EDLB	EDL	1	
30F	POTARY ACTUATOR	41224	EDLC	EDL	1	
30F	VALVE INLINE AIR	41220	EDLD	EDL	1	
30F	FRAME	41238	EDLG	EDL	0	
30F	RETAINER	41230	EDLH	EDL	0	
30F	OUTLET	4123F	EDLL	EDL	0	
30F	INLET	4123G	EDLM	EDL	0	
30F	CLAMP ASSY V BAND	4123H	EDLN	EDL	0	
30F	GASKET ALUMINUM 3 IN	4123J	EDLP	EDL	0	
30F	DUCTING	41231	EDLR	EDL	1	
30F	INSULATION BLANKET	41232	EDLS	EDL	0	
30F	N022FL ASSY	41233	EDLT	EDL	0	
30F	HEADER ASSY	41234	EDLU	EDL	0	

PGG095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

0000000001111111112222222223333333334444444445555555556666666667777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890

30E	RECIRCULATING AIR BLOWER	41241	EDLZ	EDL	1
30E	DUCTING BLOWER	41242	EDLZA	EDL	1
30E	COUPLING ASSY	41243	EDLZB	EDL	0
30E	SHUT VLV UNDR FLR HEAT	41911	EDLZC	EDL	0
30E	DIVERTER VALVE FLR HEAT	41912	EDLZO	EDL	0
30E	TEMP CONT THERMOSTAT FLR	41913	EDLZE	EDL	0
30E	RECIRCULATE BLOWER FLR	41914	EDLZF	EDL	0
30E	DUCTING FLR HEAT	41915	EDLZG	EDL	0
30E	THERMOSWITCH FLR HEAT	41916	EDLZH	EDL	0
30E	CARGO COMPT TEMP CONT		EDM	EDL	AAAAAAAAA
30E	THERMOSTAT CARGO COMPT	41211	EDMA	EDM	A
30E	TEMP CONTROL BOX	41212	EDMB	EDM	A
30E	DUCT THERMOSTAT	41235	EDMC	EDM	1
30E	AIR DRYING		EDN	EDM	000000000
30E	COUPLING ASSY	41261	EDNA	EDN	1
30E	ELIMINATOR TUBE	41263	EDNB	EDN	0
30E	SEPARATOR	41264	EDNC	EDN	A
30E	INSULATION BLANKET	41266	EDND	EDN	1
30E	DUCT	41267	EDNE	EDN	1
30E	CONDENSUR	41268	EDNF	EDN	1
30E	FIXED ORIFICE	41228	EDNG	EDN	0
30E	AIR DRYING BYPASS		EDP	EDM	000000000
30E	BYPASS DUCTING	41231	EDPA	EDP	1
30E	AIR TEMP CONTROL		EDQ	EDM	111111111
30E	AIR TEMP CONTROL		EDQ	EDP	FAAAAAAAAAA
30E	DUAL BUTTERFLY CONT VLV	41223	EDQA	EDQ	A
30E	BLEED AIR TEMP CONT VLV	41226	EDQB	EDQ	A
30E	COUPLING ASSY	41227	EDQC	EDQ	1
30E	AIR COOLING		EDR	EDM	AAAAAAAAA
30E	COOLING TURBINE PN 201160	4125A	EDRA	EDR	A
30E	THERMISTE SAMPLNG BLOWER	4125B	EDRB	EDR	1
30E	INLET FLANGE	4125C	EDRC	EDR	1
30E	HEAT EXCHANGER	41251	EDRD	EDR	A
30E	COOLING TURBINE	41252	EDRE	EDR	A
30E	ICE CONTROL SCREEN	41253	EDREF	EDR	1
30E	INSULATION BLANKET	41255	EDRG	EDR	1
30E	DULT ANTICIPATE THERMO	41256	EDRH	EDR	1
30E	SHROUD	41257	EDRJ	EDR	0
30E	DUCTING	41258	EDRK	EDR	1
30E	ORIFICE SPEED LIMIT	41228	EDRL	EDR	0
30E	OVERHEAT WRNG THERMOSTAT	49151	EDRM	EDR	1
30E	FLOW CONTROL		EDS	EDQ	FAAAAAAAAAA
30E	FLOW CONTROL		EDS	EDR	AAAAAAAAA
30E	AIR FLOW REGULATOR	41221	EDSA	FDS	A
30E	AUX VENT RAM AIR		EDT	FD	K FDA 001111100
30E	LOW PRESS SHUT VLV FLT STA	41122	EDTA	EDT	1
30E	AIR PRESS SHUT REC	41222	EDTB	EDT	A
30E	MIN PRESS SHUT VLV CARGO	41225	EDTC	EDT	5
30E	AUX VENT INLET		EDU	EDT	AAAAAAAAA
30E	9 IN SHUT VLV	41224	EDUA	EDU	A

PG0095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

000000001111111122222222223333333334444444445555555556666666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890
30E MISC ENVIRONMENTAL EQUIP EE F 000000000
30E FIRE EXTINGUISHER SYST 49100 EFA FE 0
30E RACK-FIRE EXTINGUISHER 4911P EEB FF 0
30E MOUNTING BRACKET 4911P EEC FE 0
30E CONTAINER 4911E EED FE 0
30E DISCHARGE TUBING 4911F EFE EF 1
30E CONDENSATION DRAIN JAR 4941F EEF EF 0
30E CONDENSATION DRAIN TUBE 4941G EEG FE 0
30E FLASHLIGHT 4941H EFH EL 0
30E RELAY-ISOLATION 4911A EEJ FE 1
30E PORTABLE EXTINGUISHER 4911C EEK FE 1
30E FLIGHT CONTROL F AAAAAA
30E LIFT AUGMENTATION FA F 010000020
30E FLAPS POSITIONED LF AA AAAAAA
30E FLAPS POSITIONED LF AA FAL FAAAAA
30E FLAPS POSITIONED RF AA FA AAAAAA
30E FLAPS POSITIONED RF AA FAL FAAAAA
30E SHAFT ASSY,TORQUE 14411 LF AAA LF AA A
30E SHAFT ASSY,TORQUE 14411 RF AAA RF AA A
30E ASYMMETRY PROTECTION FAB FAF KLFAA AAAAAA
30E ASYMMETRY BRAKE X2EAK 1441W FABA FAH A
30E SENSING SWITCH X2 EAK 14433 FABB FAH A
30E OUTBOARD FLAPS POSITIONED LF AC LF AA AAAAAA
30E OUTBOARD FLAPS POSITIONED RF AC RF AA AAAAAA
30E TRAILING EDGE ASSY 1441P LF ACA LF AC 1
30E TRAILING EDGE ASSY 1441P RF ACA RF AC 1
30E FLAP ASSY OUTER WING 1441S LF ACB LF AC 1
30E FLAP ASSY OUTER WING 1441S RF ACB RF AC 1
30E BEARING 1441B LF ACC LF AC 5
30E BEARING 1441B RF ACC RF AC 5
30E CARRIAGE SUPPORT ASSY X4EA1441C LF ACD LF AC 3
30E CARRIAGE SUPPORT ASSY X4EA1441C RF ACD RF AC 3
30E STOP 1441D LF ACE LF AC 1
30E STOP 1441D RF ACE RF AC 1
30E WELD ASSY 1441R LF ACE LF AC 3
30E WELD ASSY 1441P RF ACE RF AC 3
30E BALL NUT ASSY 1441U LF ACG LF AC 8
30E BALL NUT ASSY 1441U RF ACG RF AC 8
30E JACK SCREW X2EAK 14412 LF ACH LF AC A
30E JACK SCREW X2EAK 14412 RF ACH RF AC A
30E TRACK ASSY X4EAK 14413 LF ACJ LF AC 3
30E TRACK ASSY X4EAK 14413 RF ACJ RF AC 3
30E CARRIAGE ASSY X4EAK 14414 LF ACK LF AC 3
30E CARRIAGE ASSY X4EAK 14414 RF ACK RF AC 3
30E COUPLING 1441B LF ACL LF AC A
30E COUPLING 1441B RF ACL RF AC A
30E INBOARD FLAPS POSITIONED LF AD LF AA AAAAAA
30E INBOARD FLAPS POSITIONED RF AD RF AA AAAAAA
30E TRAILING EDGE ASSY 1441P LF ADA LF AD 1
30E TRAILING EDGE ASSY 1441P RF ADA RF AD 1

```

PGG095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

0000000001111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890

30E FLAP ASSY CENTER WING	1441T	LFADB	LFAD	1
30E FLAP ASSY CENTER WING	1441T	RFADB	RFAD	1
30E BEARING	1441B	LFADC	LFAD	5
30E BEARING	1441B	RFADC	RFAD	5
30E CARRIAGE SUPPORT ASSY %4EA1	1441C	LFADD	LFAD	3
30E CARRIAGE SUPPORT ASSY %4EA1	1441C	RFADD	RFAD	3
30E STOP	1441D	LFADDE	LFAD	1
30E STOP	1441D	RFADDE	RFAD	1
30E WELD ASSY	1441R	LFADF	LFAD	3
30E WELD ASSY	1441R	RFADF	RFAD	3
30E BALL NUT ASSY	1441U	LFADG	LFAD	8
30E BALL NUT ASSY	1441U	RFADG	RFAD	8
30E JACKSCREW %2EAC	14412	LFADH	LFAD	A
30E JACKSCREW %2EAC	14412	RFADH	RFAD	A
30E TRACK ASSY %4EAC	14413	LFADJ	LFAD	3
30E TRACK ASSY %4EAC	14413	RFADJ	RFAD	3
30E CARRIAGE ASSY %4EAC	14414	LFADK	LFAD	3
30E CARRIAGE ASSY %4EAC	14414	RFADK	RFAD	3
30E COUPLING	14418	LFADL	LFAD	A
30E COUPLING	14418	RFADL	RFAD	A
30E FLAP DRIVE		FAE	FA	AAAAAAAAA
30E HOUSING ASSY	1441A	FAEA	FAE	1
30E GEARBOX	1441H	FAEB	FAE	A
30E DRIVE ASSY	1441G	FAEC	FAE	A
30E NORMAL MODE		FAF	FAE	FAG 111111111
30E FLAP MOTOR	14427	FAFA	FAF	A
30E BRAKE ASSY	1442B	FAFB	FAF	A
30E EMERGENCY MODE		FAG	FAE	K FAG AAAAAAAAAA
30E DRIVE ASSY	14441	FAGA	FAG	A
30E T HANDLE	14442	FAGB	FAG	1
30E OUTPUT GEAR BOX	14443	FAGC	FAG	A
30E DRIVE SHAFTS	14444	FAGD	FAG	A
30E INT. GEAR BOX	14445	FAGE	FAG	A
30E UNIVERSAL COUPLING	14446	FAGF	FAG	A
30E HYDRAULIC POWER APPLIED		FAH	FAF	AAAAAAAAA
30E EMER BRAKE VALVE	1442A	FAHA	FAH	A
30E SELECTOR VALVE	14422	FAHB	FAH	A
30E PRESSURE REDUCER	14423	FAHC	FAH	1
30E RESTRICTOR	14424	FAHD	FAH	1
30E SHUTTLE VALVE	14426	FAHE	FAH	A
30E HOSE	14428	FAHF	FAH	1
30E SENSING SWITCH%ASSYM-2EAC	14433	FAHG	FAH	A
30E FLAP CONTROL		FAJ	FAH	AAAAAAAAA
30E FLAP CONTROL		FAJ	FAM	FAAAAAAAAAA
30E CONTROL ASSY	1441J	FAJA	FAJ	A
30E QUADRANT	14415	FAJB	FAJ	2
30E CABLES	9914A	FAJC	FAJ	A
30E LIMIT SWITCHES	14432	FAJD	FAJ	5
30E FOLLOW UP CAM	14437	FAJE	FAJ	A
30E SWITCH %NORM/EMER<	14431	FAJF	FAJ	A

PGG095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

00000000111111112222222222333333334444444455555555666666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890
30E FLAP POSITION WARNING FAK FAJ 111111111
30E WARNING HORN 1331E FAKA FAK A
30E FLAP POSITION INDICATED FAL FAG I FAF 111111111
30E TRANSMITTER 14512 FALA FAL A
30E INDICATOR 14511 FALB FAL A
30E RUDDER RST ENABLF FAM FBG S020000020
30E RUDDER RST ENABLF FAM FBM FAAAAA8888A
30E RUDDER RST ENABLF FAM FPP FAAAAA8888A
30E QUADRANT SWITCHC 14415 FAMA FAM A
30E YAW CONTROL FB F G10000030
30E RUDDER POSITIONED FRA FR FAAAAA8888A
30E RUDDER ASSY 1431Q FBAA FBA 1
30E RUDDER HINGE BRACKET 1431K FBAB FBA 2
30E WEIGHT ASSY 1431E FBAC FBA 2
30E HINGE/PIN 14311 FBAD FBA 8
30E RUDDER ACTUATION FRB FBA A A111111AA
30E LEVER ASSY 14317 FBBA FRB A
30E SHAFT ASSY 14318 FBBD FRB A
30E NORMAL BOOST MODE FBC FRB G44444440
30E ROD ASSY 1433A FBCA FBC A
30E LEVER 1433C FBCE FBC A
30E SHAFT 1433F FBCE FBC A
30E DAMPER ASSY 1433F FBCE FBC 1
30E ARM-DAMPER ASSY 1433G FBCE FBC 1
30E BOOSTER ASSY 1433J FBCE FBC A
30E ACTUATOR 1433I FBCE FBC A
30E FRAME ASSY 14337 FBCE FBC 0
30E MANUAL MODE FRD FBA SAA00000AA
30E MANUAL MODE FRD FBA FAA00000AA
30E MANUAL MODE FRD FBA K FBU 00AAAAA00
30E RUDDER PEDAL #2 FAK 14312 FBDA FRD 1
30E SEGMENT-PEDAL ADJUSTER 1431A FBDB FRD 0
30E TORQUE TUBE ASSY 1431B FBDC FRD 3
30E COUPLING ASSY-FORE TORQUE 1431C FBDD FRD 1
30E SUPPORT ASSY #2EAK 1431D FBDE FRD 1
30E CARLE ASSY 1431R FBDE FRD A
30E TENSION REGULATOR 1431N FBDE FRD 1
30E CONTROL ROD ASSY #2EAK 14315 FBDE FRD 1
30E BEARING 14316 FBDE FRD 1
30E TRIM TA ACTUATION FBE FBA K FBC 08AAAAA80
30E TA ASSY 14328 FBFA FBE 1
30E HINGE AND PIN 14323 FBFB FBE 5
30E BEARING 14322 FBFC FBE 2
30E BRACKET ASSY 14324 FBFD FBE 1
30E ACTUATOR ASSY 14341 FBFE FBE A
30E CONTROL SWITCH 14345 FBFF FBE A
30E TRIM TA POSITION INDICATED FRF FBE G10000000
30E TRANSMITTER 14532 FBFA FBF A
30E INDICATOR 14531 FBFB FBF A
30E HYDRAULIC POWER APPLIED FBG FBC FAAAAA8888A

```


PGG095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

0000000001111111112222222222333333333344444444445555555555666666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890

30E CONTROL VALVE	14333	FBGA	FBG	A	
30E MANIFOLD	14332	FRGB	FBG	3	
30E HOSE ASSY	1433H	FBGC	FBG	2	
30E UTILITY PRESSURE APPLIED		FBH	FBG		111111111
30E UTILITY PRESSURE APPLIED		FBH	FBJ		FAAAAAAAAAA
30E RUDDER UTILITY SWITCH	9914B	FBHA	FBH	A	
30E RUDDER UTILITY VALVE	1433L	FBHB	FBH	A	
30E RELIEF VALVE	14336	FBHC	FBH	1	
30E BYPASS VALVE	14334	FBHD	FBH	1	
30E FILTER ELEMENT	14335	FBHE	FBH	0	
30E UTILITY PRESSURE INDICATED		FBJ	FBH	I FBH	111111111
30E INDICATOR	456BC	FRJA	FBJ	A	
30E TRANSMITTER	456BD	FRJB	FBJ	A	
30E BOOSTER PRESSURE APPLIED		FBK	FBG		111111111
30E BOOSTER PRESSURE APPLIED		FBK	FBL		FAAAAAAAAAA
30E RUDDER BOOSTER SWITCH	9914B	FRKA	FRK	A	
30E RUDDER BOOSTER VALVE	1433L	FRKB	FRK	A	
30E RELIEF VALVE	14336	FRKC	FRK	1	
30E BYPASS VALVE	14334	FRKD	FRK	1	
30E FILTER ELEMENT	14335	FRKE	FRK	0	
30E BOOSTER PRESSURE IND		FBL	FBH	I FBK	111111111
30E INDICATOR	456AA	FBLA	FBL	A	
30E TRANSMITTER	456AB	FBLB	FBL	A	
30E FUSE	456AC	FBLC	FBL	A	
30E FULL UTILITY PRESSURE		FRM	FRH		0A00000A0
30E DIVERTER VALVE	1433B	FRMA	FRM	A	
30E REDUCED UTILITY PRESSURE		FRN	FRH		0A00000A0
30E PRESS REDUCER	1433K	FRNA	FRN	A	
30E FULL BOOSTER PRESSURE		FRP	FRK		0A00000A0
30E DIVERTER VALVE	1433B	FRPA	FRP	A	
30E REDUCED BOOSTER PRESSURE		FRQ	FRK		0A00000A0
30E PRESS REDUCER	1433K	FRQA	FRQ	A	
30E AUTOPILOT MODE		FRU	FRUX		001111100
30E SERVO MOTOR DRIVE ASSY	5211Q	FRUA	FRU	A	
30E SERVO DRUM/BRAKET ASSY	5211T	FRUB	FRU	A	
30E SERVO AMP	5211V	FRUC	FRU	A	
30E MOTOR AMP	5211W	FRUD	FRU	A	
30E QUADRANT	1433D	FRUE	FRU	A	
30E AUTOPILOT ATTENUATION		FRUX	FRU		111111111
30E YAW SIGNAL PROCESSING		FRV	FRU		AAAAAAAAAAA
30E YAW SIGNAL PROCESSING		FRV	FRU		AAAAAAAAAAA
30E BLOWER ASSY	521AD	FRVA	FRV	A	
30E TORQUE LIMITING RESISTOR	5211B	FRVB	FRV	A	
30E PHASE ADAPTER	5211D	FRVC	FRV	A	
30E SERVO CONTROL RELAY	5211E	FRVD	FRV	A	
30E SERVO FIELD RELAY	5211F	FRVE	FRV	A	
30E AC CUTOFF RELAY	5211G	FRVF	FRV	A	
30E TIMER INTERLOCK RELAY	5211H	FRVG	FRV	A	
30E GENERATOR ASSY	5211N	FRVH	FRV	A	
30E RATE GENERATOR	5211U	FRVJ	FRV	A	

PG095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

0000000011111111222222223333333344444444555555556666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890

30E	POWER SUPPLY	52112	FBVK	FBV	A
30E	MAIN AMP	52111	FBVL	FBV	A
30E	SERVO CONTROL	52113	FBVM	FBV	A
30E	COMPASS INTERLOCK RELAY	5211J	FBVN	FBV	A
30E	SERVO ENGAGE RELAY BOX	52116	FBVP	FBV	A
30E	TURN CONTROL	5211M	FBVO	FBV	A
30E	AUTOPILOT CONTROL		FBW	FBV	AAAAAAAAA
30E	AP RELEASE SWITCH 22EA<	5211C	FBWA	FBW	1
30E	ENG/APP CNTR PNL&RUD SW<	52118	FBWB	FBW	A
30E	PED CONT &ON-OFF SW<	52117	FBWC	FBW	A
30E	FLIGHT CONTROLLER INPUT		FBXA	FBV	111111111
30E	PED CONT &FLT CONTROLLER<	52117	FBXAA	FBXA	A
30E	TURN COORDINATION		FBXB	FBV	111111111
30E	HSI INPUT		FBXC	FBV	111111111
30E	SERVO COURSE DATUM	5211K	FBXCA	FBXC	A
30E	COMPASS INPUT		FBXD	FBV	111111111
30E	RADIO COMMANDS		FBXE	FBV	111111111
30E	MB4 AMPLIFIER	5211S	FBXEA	FBXC	A
30E	INTEGRATOR	5211A	FBXEB	FBXE	A
30E	LATERAL OUTPUT AMP	5211X	FBXEC	FBXE	A
30E	MODULATOR MAG	52114	FBXED	FBXE	A
30E	PITCH CONTROL		FC	F	0AAAAAAAA0
30E	ELEVATORS POSITIONED		FCA	FC	AAAAAAAAA
30E	ELEVATOR ASSY 2 EACH	1421K	FCAA	FCA	1
30E	HINGE/HINGE PIN 2 SETS	14211	FCAB	FCA	5
30E	ELEVATOR ACTUATION		FCB	FCA	AA11111AA
30E	ELEVATOR TORQUE TUBE	14217	FCBA	FCB	7
30E	COUNTERBALANCE WEIGHT	14218	FCBP	FCB	0
30E	BEARING	14214	FCBC	FCB	2
30E	TORQUE TUBE CRANK	9914D	FCBD	FCB	A
30E	RUD ASSY 2 EACH<	14213	FCBE	FCB	3
30E	LEVER ASSY 2POWER<	1423E	FCBF	FCB	9
30E	TRIM TAB ACTUATION		FCC	FCA	K FCD 03AAAAA80
30E	TAB ASSY	2 EA 14224	FCCA	FCC	1
30E	HINGE/PIN	2 EA 14223	FCCB	FCC	5
30E	BEARING	2 EA 14224	FCCC	FCC	2
30E	RETAINER	2 EA 14228	FCCD	FCC	2
30E	SHAFT ASSY-PLEX	2 EA 14222	FCCF	FCC	5
30E	JACK SCREW	4 EA 1422A	FCCF	FCC	4
30E	RUD END JACKSCREW	4 EA 1422C	FCCG	FCC	1
30E	GEARBOX	14221	FCCH	FCC	A
30E	CONTROL SWITCH	14242	FCCJ	FCC	A
30E	NORMAL BOOST MODE		FCD	FCB	04AAAAA40
30E	BOOSTER ASSY	1423J	FCD A	FCD	A
30E	BEARING	1423B	FCD B	FCD	2
30E	SEAL ASSY,BOOSTER	14215	FCD C	FCD	0
30E	BOOSTER FRAME	1423A	FCD D	FCD	1
30E	MANUAL MODE		FCE	FCA	SA00000AA
30E	MANUAL MODE		FCE	FCB	K FCD FAA0000AA
30E	MANUAL MODE		FCE	FCD	K FCP 00AAAAA00

PGG095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

000000000111111111222222223333333334444444445555555556666666667777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890

30E CONTROL COLUMN 2EAK	14212	FCFA	FCE	1	
30E CABLE ASSY 2EAK	14210	FCFB	FCF	1	
30E ACCESS PLATE	1421F	FCFC	FCF	0	
30E TENSION REGULATOR 2EAK	1421H	FCED	FCF	1	
30E SHAFT BELLCRANK 2EAK	14237	FCFE	FCF	1	
30E INBOARD BOOST		FCF	FCF		11111111
30E HYD ASSY-INRD	1423F	FCFA	FCF	8	
30E ARM ELEV BOOST VALVE	1423G	FCFB	FCF	A	
30E ACTUATOR	14231	FCFC	FCF	A	
30E CONTROL VALVE	14233	FCFD	FCF	A	
30E OUTBOARD BOOST		FCG	FCF		11111111
30E HYD ASSY OUTBD	1423F	FCGA	FCG	8	
30E ARM ELEV BOOST VALVE	1423G	FCGB	FCG	A	
30E ACTUATOR	14231	FCGC	FCG	A	
30E CONTROL VALVE	14233	FCGD	FCG	A	
30E UTILITY PRESS APPLIED		FCH	FCF		AAAAAAAA
30E HOSE ASSY	1423H	FCHA	FCH	2	
30E SHUT OFF VALVE	1423K	FCHB	FCH	A	
30E MANIFOLD	14232	FCHC	FCH	1	
30E BYPASS VALVE	14234	FCHD	FCH	1	
30E FILTER	14235	FCHF	FCH	0	
30E RELIEF VALVE	14236	FCHF	FCH	1	
30E ELEV UTILITY SWITCH	9914B	FCHG	FCH	A	
30E BOOSTER PRESS APPLIED		FCJ	FCG		AAAAAAAA
30E HOSE ASSY	1423H	FCJA	FCJ	2	
30E SHUTOFF VALVE	1423K	FCJB	FCJ	A	
30E MANIFOLD	14232	FCJC	FCJ	1	
30E BYPASS VALVE	14234	FCJD	FCJ	1	
30E FILTER	14235	FCJE	FCJ	0	
30E RELIEF VALVE	14236	FCJF	FCJ	1	
30E ELEV BOOST SWITCH	9914B	FCJG	FCJ	A	
30E NORMAL MODE		FCK	FCC		FCL 331111133
30E RELAY NORMAL	1424B	FCKA	FCK	A	
30E ACTUATOR MOTOR NORMAL	1424C	FCKB	FCK	A	
30E ACTUATOR ASSY	1424E	FCKC	FCK	A	
30E EMERGENCY MODE		FCL	FCC		K FCK AAAAAAAAAA
30E RELAY EMERGENCY	1424A	FCLA	FCL	A	
30E ACTUATOR MOTOR EMERG	1424D	FCLB	FCL	A	
30E ACTUATOR ASSY	1424E	FCLC	FCL	A	
30E COIL IGNITION NOISE FILTER	1424L	FCLD	FCL	0	
30E SWITCH TRIM TAB PEDESTAL	14243	FCLE	FCL	A	
30E MANUAL TRIM		FCM	FCK		AA88888AA
30E SWITCH TRIM TAB PEDESTAL	14243	FCMA	FCM	1	
30E SWITCH CONTROL WHEEL 2EAK	14244	FCMB	FCM	1	
30E TRIM TAB POSITION IND		FCN	FCL		010000000
30E INDICATOR	14541	FCNA	FCN	A	
30E TRANSMITTER	14542	FCNB	FCN	A	
30E AUTOPILOT MODE		FCP	FCPX		001111110
30E SERVO MOTOR DRIVE ASSY	5211R	FCPA	FCP	A	
30E SERVO DRUM/BRAKET ASSY	5211T	FCPB	FCP	A	

PGG095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

0000000001111111112222222223333333334444444445555555556666666667777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890

30E SERVO AMP	5211V	FCPC	FCP	A
30F MOTOR AMP	5211W	FCPD	FCP	A
30E SECTOR	1423D	FCPE	FCP	A
30E AUTO PILOT ATTENUATION		FCPX	FCO	111111111
30E PITCH SIGNAL PROCESSING		FCQ	FCP	AAAAAAAAA
30E PITCH SIGNAL PROCESSING		FCQ	FCR	AAAAAAAAA
30E TORQUE LIMITING RESISTOR	5211R	FCQA	FCO	A
30E PHASE ADAPTER	5211D	FCQB	FCO	A
30E SERVO CONTROL RELAY	5211E	FCUC	FCO	A
30E SERVO FIELD RELAY	5211F	FCOD	FCO	A
30E A-C CUTOFF RELAY	5211G	FCQE	FCO	A
30E TIMER INTERLOCK RELAY	5211H	FCQF	FCO	A
30E GENERATOR ASSY	5211N	FCQG	FCO	A
30E POWER SUPPLY	5211Z	FCQH	FCO	A
30E MAIN AMP	5211I	FCQJ	FCO	A
30E CONTROL GYRO-ROLL/PITCH	5211J	FCQK	FCO	A
30E SERVO CONTROL	5211K	FCQL	FCO	A
30E SERVO ENGAGE RELAY BOX	5211L	FCQM	FCO	A
30E BLOWER ASSY	5211M	FCQN	FCO	A
30E RATE GENERATOR	5211U	FCQP	FCO	A
30E AP TRIM TAB DRIVE		FCR	FCR	000000000
30E ELEV TAB CONTROL ADAPTER	5211S	FCRA	FCR	A
30E AUTOPILOT CONTROL		FCS	FCO	AAAAAAAAA
30E PED CNTRL XON-OFF SWK	5211T	FCSA	FCS	A
30E ENG/APP CNTR PNL XSWITCH<	5211B	FCSB	FCS	A
30E AUTOPILOT RELEASE SWITCHES	5211C	FCSC	FCS	1
30E ALTITUDE HOLD		FCT	FCU	000111000
30E ALT ENGAGE CONTROL	5211A 5211A	FCTA	FCT	A
30E ALT CONTROL ASSY	5211B	FCTB	FCT	A
30E ALT ENGAGE CONTROL	5211A 5211A	FCTC	FCT	A
30E FLIGHT CONTROLLER		FCU	FCO	011111110
30E PED CNTRL PITCH KNOCK	5211T	FCUA	FCU	A
30E GLIDESLOPE COMMANDS		FCV	FCO	0000002A0
30E AMPLIFIER GLIDESLOPE	5211E	FCVA	FCV	A
30E MR4 AMP	5211S	FCVB	FCV	A
30E VEPT OUPUT AMP	5211Y	FCVC	FCV	A
30E ENG/APP CNTR PNL XSWITCH<	5211B	FCVD	FCV	A
30E INTEGRATOR	5211A	FCVE	FCV	A
30E MODULATOR MAG	52114	FCVF	FCV	A
30E ROLL CONTROL		FD	F	0AAAAAAAA
30E AILERONS POSITIONED		FDA	FD	AAAAAAAAA
30E AILERON ASSY	2FA 1411S	FDAA	FDA	1
30E COUNTERWEIGHT/BRACKET	2CA 1411C	FDAAB	FDA	0
30E HINGE/HINGE PIN	2EA 1411D	FDAAC	FDA	5
30E AILERONS ACUTATED		FDB	FDA	AA111111A
30E PUSH ROD GUIDES	2 SETS 1411R	FDBA	FDB	1
30E BELLCRANK	2FA 14114	FDBB	FDB	2
30E ROD ASSY PUSH-PULL	2FA 1411S	FDBC	FDB	2
30E BOOSTER OUTPUT< LEVER	1413F	FDBD	FDB	A
30E FRAME	1413T	FDBE	FDB	1

PGG095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

0000000001111111112222222223333333334444444445555555556666666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890
30E QUADRANT 1413G FDBF FDB A
30E LATCHING MECH AFT CARGO 1124C FDBFE EDBF A
30E NORMAL BOOST MODE FDC FDB 04AAAAA40
30E BOOSTER ASSY 1413K FDCA FDC 8
30E MANIFOLD 14132 FDCB FDC 1
30E CONTROL VALVE 14133 FDCC FDC A
30E ROD ASSY 1413A FDCD FDC A
30E MOUNT BRACKET 14138 FDCE FDC 0
30E ACTUATOR 14131 FDCF FDC A
30E SHAFT 1413H FDCH FDC A
30E BEARING 14130 FDCJ FDC 2
30E DAMPER ASSY 1413C FDD FDC 1
30E MANUAL MODE FDD FDA SAA00000AA
30E MANUAL MODE FDB K FDC FAA00000AA
30E MANUAL MODE FDC K FDL 00AAAAA00
30E CONTROL WHEEL %2EAK 14111 FDDA FDD 1
30E CABLE ASSY %2EAK 14113 FDOB FDD 1
30E CHAIN ASSY %2EAK 14118 FDDC FDD 1
30E TUBE ASSY 14112 FDDU FDD 0
30E TENSION REGULATOR %2EAK 1411M FDDF FDD 1
30E QUADRANT %2EAK 1411T FDDG FDD 1
30E BEARING 14116 FDDH FDD 1
30E BUSHING 14117 FDE FDC 111111111
30E UTILITY HYDRAULICS APPLIED 1413J FDEA FDE 5
30E HOSE ASSY 1413L FDEB FDE 1
30E AIL PRESS REDUCER 1413M FDEC FDE A
30E SHUTOFF VALVE 14134 FDED FDE 1
30E BYPASS VALVE 14135 FDEF FDE 0
30E FILTER 14136 FDEG FDE 2
30E RELIEF VALVE 9914R FDEH FDE A
30E AILERON UTILITY SWITCH FDI FDC 111111111
30E BOOSTER HYDRAULICS APPLIED 1413J FDEA FDE 5
30E HOSE ASSY 1413L FDEB FDE 1
30E AIL PRESS REDUCER 1413M FDEC FDE A
30E SHUTOFF VALVE 14134 FDED FDE 1
30E BYPASS VALVE 14135 FDEF FDE 0
30E FILTER 14136 FDEG FDE 2
30E RELIEF VALVE 9914R FDEH FDE A
30E AILERON BOOSTER SWITCH FDI FDC 001111100
30E AUTOPILOT MODE FDL FDL A
30E SERVO MOTOR DRIVE ASSY 5211P FDLA FDL A
30E SERVO DRUM/BRACKET ASSY 5211T FDLB FDL A
30E SERVO AMP 5211V FDLG FDL A
30E MOTOR AMP 5211W FDLH FDL A
30E AUTOPILOT ATTENUATION FDLX FDC 111111111
30E POLL SIGNAL PROCESSING FDM FBXB FAAAAA000A
30E POLL SIGNAL PROCESSING FDM FDL AAAAAA000A
30E BLOWER ASSY 521AD FDM FDM A
30E TORQUE LIMITING RESISTOR 5211R FDM FDM A
30E PHASE ADAPTER 5211D FDM FDM A

```

PG0095.J1R1 DATE = 09/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

0000000001111111112222222223333333334444444445555555556666666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890

30F SERVO CONTROL RELAY	5211E	FDMD	FDM	A
30F SERVO FIELD RELAY	5211F	FDME	FDM	A
30F A-C CUTOFF RELAY	5211G	FDME	FDM	A
30F TIMER INTERLOCK RELAY	5211H	FDMG	FDM	A
30F GENERATOR ASSY	5211N	FDMH	FDM	A
30F RATE GENERATOR	5211U	FDMJ	FDM	A
30F POWER SUPPLY	5211Z	FDMK	FDM	A
30F MAIN AMPLIFIER	52111	FDM L	FDM	A
30F CONTROL CYRD ROLL/PITCH	52112	FDMM	FDM	A
30F SERVO CONTROL	52113	FDMN	FDM	A
30F SERVO ENGAGE RELAY BOX	52116	FDM P	FDM	A
30F AUTOPILOT CONTROL		FDM	FDM	AAAAA A A A A
30F PED CNTRL XON-OFF SWITCH<	52117	FDNA	FDM	A
30F ENG/APP CNTRL >SWITCH<	52118	FDNB	FDM	A
30F AUTOPILOT RELEASE SWITCH<	5211C	FDNC	FDM	1
30F FLIGHT CONTROLLER INPUT		FDQ	FDM	111111111
30F PED CNTRL KLT CNTRL<	52117	FDQA	FDM	A
30F TURN COORDINATION		FDR	FDM	111111111
30F TRIM TABS ACTUATED		FDT	FDA K FDC	084A A A A 80
30F TAB ASSY	1412F	FDTA	FDT	1
30F HINGE/HINGE PIN	1412A	FDTB	FDT	5
30F ACTUATOR	14121	FDT C	FDT	A
30F ROD ASSY	14122	FDTD	FDT	A
30F BEARING	14123	FDT E	FDT	1
30F BUSHING	14124	FDT F	FDT	1
30F MOUNTING BRACKET-ACTUATOR	14126	FDTG	FDT	1
30F TRUNION	14127	FDT H	FDT	A
30F FORK	14128	FDTJ	FDT	A
30F ACTUATOR MOTOR	14141	FDTK	FDT	A
30F CONTROL SWITCH	14142	FDTL	FDT	A
30F RELAY TAB CONTROL	14146	FDTM	FDT	A
30F TRIM TAB POSIT IND		FDU	FDT	010000010
30F INDICATOR	14521	FDUA	FDU	A
30F TRANSMITTER	14522	FDUB	FDU	A
30F HEIGHT REDUCTION		FE	F	5 BA 004321000
30F GROUND CONTROL		G		AAAAA A A A A
30F SPEED CONTROL		GA	G	C 000000000
30F SPEED CONTROL		GA	GAX	500000005
30F REVERSE THRUST		GAA	GA	000000050
30F DIFFERENTIAL BRAKING		GAH	GA	K GRA 550000055
30F BRAKE ACTUATION		GAC	GA	A0000005A
30F BRAKE ACTUATION		GAC	GAB	AAAAA A A A A
30F UNIDENTIFIED BEARING	13410	GACA	GAC	0
30F ADJUSTING PINS 4 EA	13410	GACB	GAC	1
30F LINKAGE 2 EA	13412	GACC	GAC	1
30F HOUSING BOLT 20 EA	13417	GACD	GAC	0
30F WHEEL BRAKE ASSY 4 EA	13420	GACE	GAC	3
30F BRAKE DISK 4 EA	1342F	GACF	GAC	3
30F PLATE SUBASSY HSNG BACK 4EA	1342F	GACG	GAC	3
30F PLATE SUBASSY PRESSURE 4EA	1342G	GACH	GAC	3

PG0095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

0000000001111111112222222222333333333344444444445555555555666666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890

30E RETAINER, VANE ASSY STAGE2 22435	GACXZE	BAC	A
30E BRAKE ACTIVATION	GAD	GAC	AAAAAAAAAA
30E LACH TWO BRAKE PEDAL SET	GAE	GAO	111111111
30E PULLEY 2 EA 1341A	GAFA	GAH	A
30E PEDAL ADJUST MECHANISM 1341D	GAEB	GAH	1
30E BELL CRANK 2 EA 1341E	GAEC	GAH	A
30E PEDAL 2 EA 13411	GAED	GAH	5
30E PARKING BRAKE	GAH	GAC	000000000
30E PARKING BRAKE MECHANISM 13413	GAFA	GAH	A
30E BRAKE PRESSURE	GAG	GAC	AAAAAAAAAA
30E BRAKE PRESSURE	GAG	GAH	FAAAAAAAAA
30E NORMAL BRAKE PRESSURE	GAGA	GAGH	FAAAAAAAAA
30E NORMAL BRAKE PRESSURE	GAGA	GAJ	AAAAAAAAAA
30E NORMAL BRAKE PRESSURE	GAGA	GAL	111111111
30E SELECTOR VALVE EMERG 13624	GAGAA	GAGA	A
30E ACCUMULATOR 2 EA 1342D	GAGAB	GAGA	1
30E LINKAGE 13412	GACAC	GAGA	A
30E EMERGENCY BRAKE PRESSURE	GAGH	GAC	K GAGA AAAAAAAAAA
30E EMERGENCY BRAKE PRESSURE	GAGB	GAGM	FAAAAAAAAA
30E ACCUMULATOR 2 EA 1342D	GAGBA	GAGB	1
30E SELECTOR VALVE NORMAL 13434	GAGBB	GAGB	A
30E LINKAGE 13412	GAGBC	GAGB	A
30E NORMAL PRESSURE INDICATED	GAGH	GAGB	111111111
30E SNUBBER VALVE 2 EA 13423	GAGHA	GAGH	1
30E INDICATOR NORMAL SYSTEM 456DA	GAGHB	GAGH	A
30E TRANSMITTER NORMAL SYSTEM 456DB	GAGHC	GAGH	A
30E EMERGENCY PRESSURE INDICATED	GAGM	GAGH	I UHC 111111111
30E SNUBBER VALVE 2 EA 13423	GAGMA	GAGM	1
30E INDICATOR EMER SYSTEM 456DC	GAGMB	GAGM	A
30E TRANSMITTER EMER SYSTEM 456DE	GAGMC	GAGM	A
30E CONTROL VALVE 2 EA 1342A	GAGZA	GAG	A
30E PRESSURE FITTING 20 EA 1342H	GAGZB	GAG	1
30E SHUTTLE VALVE 4 EA 13421	GAGZC	GAG	3
30E UNIDENTIFIED MODULATOR 13422	GAGZD	GAG	0
30E RESTRICTOR 2 EA 13424	GAGZE	GAG	1
30E HOSE ASSY 14 EA 13426	GAGZF	GAG	1
30E SWIVEL JOINT 8 EA 13414	GAGZG	GAG	1
30E SWITCH-BRAKE SELECTOR 13435	GAGZH	GAG	0
30E ANTI SKID	GAJ	GAC	000000030
30E ANTI SKID TEST	GAJA	GAD	I GAJ 000000010
30E CONTROL BOX ANTI SKID MK111343A	GAJAA	GAJA	A
30E MAIN WHL PRINTED WIRE ASSY1343D	GAJAB	GAJA	5
30E AUX PRINTED WIRE ASSY 1343E	GAJAC	GAJA	5
30E WHEEL CARD PN 42 109554FA1343F	GAJAD	GAJA	3
30E TEST CARD PN 42 10946 1343G	GAJAE	GAJA	A
30E CARLE ASSY 1343H	GAJAF	GAJA	A
30E SKID DETECTION	GAJB	GAJ	AAAAAAAAAA
30E SKID DETECTION	GAJB	GAJA	FAAAAAAAAA
30E WHEEL SPD TRANS MK 11 4EA 1343C	GAJBA	GAJB	3
30E SWITCH ANTI-SKID 13436	GAJZA	GAJ	A

FLIGHT SAFETY PREDICTION TECHNIQUE

D-82

PGG095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

0000000001111111112222222223333333334444444445555555556666666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890

30E CARGO		MABE	MABA	AAAAAAAAA
30E CARGO SECURING EQUIPMENT	12312	MABEA	MABE	1
30E CARGO SECURING EQUIPMENT	12413	MABEB	MABE	1
30E CARGO SECURING EQUIPMENT	12513	MABEC	MABE	1
30E AIR DROP		MABF	MAB	000010000
30E PARATROOP DROP		MABG	MABF	0000A0000
30E AIR DEFLECTOR DOOR	11290	MABGA	MABG	2
30E SUPPORT	11290	MABGB	MABG	2
30E ACTUATOR	1129H	MABGC	MABG	2
30E DOOR ASSY FRAME	11291	MABGD	MABG	2
30E CONTROL ASSY	11296	MABGE	MABG	2
30E LATCH MECHANISM	11298	MABGF	MABG	2
30E PARATROOP DOOR	11320	MABGG	MABG	2
30E BUMPER ASSY	11320	MABGH	MABG	2
30E RELAY	11320	MABGI	MABG	2
30E DOOR ASSY FRAME	11321	MABGK	MABG	2
30E COUNTERBALANCE MECHANISM	11323	MABGL	MABG	2
30E TRACK ASSY	11325	MABGM	MABG	2
30E LATCH MECHANISM	11326	MABGN	MABG	2
30E PARATROOP LADDER	1241M	MABGP	MABG	0
30E STATIC LINE RETREVE CABLE	1261A	MABGO	MABG	2
30E STATIC LINE RETREVE MOTOR	1261E	MABGR	MABG	2
30E EXTRACTION CHUTE MECH	1261E	MABGS	MABK	1
30E STATIC LINE	1261G	MABGT	MABG	2
30E STATIC LINE ANCHOR ACTUATOR	1261J	MABGU	MABG	2
30E ANCHOR ACTUATOR MICRO SW	1261K	MABGV	MABG	2
30E ANCHOR SW EXTENSION CORD	1261L	MABGW	MABG	2
30E STATIC LINE ANCHOR	12611	MABGX	MABG	2
30E STATIC LINE CABLE BRACKET	12612	MABGY	MABG	2
30E RELEASE CABLE	12613	MABGZ	MABG	2
30E ANCHOR LINE FAIRLEAD	12615	MABGZA	MABG	0
30E CARGO DELIVERY		MABH	MABE	AAAAAAAAA
30E RAMP OPERATION		MABJ	MABH	AAAAAAAAA
30E AFT CARGO RAMP-HYDRAULIC	11230	MABJA	MABJ	2
30E MICRO SWITCH	1123A	MABJAA	MABJ	3
30E CONTROL SWITCH	1123B	MABJAB	MABJ	3
30E HOSE	1123C	MABJAC	MABJ	5
30E UNLOCK CYLINDER	1123G	MABJAC	MABJ	3
30E RAMP SOL. VALVE	1123H	MABJAH	MABJ	A
30E ACTUATOR	11231	MABJAJ	MABJ	A
30E HAND PUMP	11232	MABJAK	MABJ	1
30E SELECTOR VALVE	11234	MABJAL	MABJ	3
30E 3 POSITION VALVE	11235	MABJAM	MABJ	3
30E PRESSURE GAUGE	11236	MABJAN	MABJ	0
30E SHUTTLE VALVE	11237	MABJAP	MABJ	2
30E RESTRICTOR VALVE	11238	MABJAO	MABJ	1
30E AFT CARGO RAMP-AIRFRAME	11240	MABJH	MABJ	1
30E HOSE	1124B	MABJRB	MABJ	5
30E LATCHING MECHANISM	1124C	MABJRC	MABJ	2
30E HOOK	1124D	MABJRD	MABJ	2

PGG095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

0000000011111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890

30F FLOOR ASSY	1124E	MABJBE	MABJ	1
30F HOOK BELLCRANK	1124K	MABJBK	MABJ	2
30F DOOR FRAME ASSY	11241	MABJBL	MABJ	3
30F HINGE	11243	MABJBM	MABJ	5
30F SCUFF PLATES	11244	MABJBN	MABJ	0
30F CONTROL RODS	11245	MABJBP	MABJ	3
30F BEARING	11246	MABJBQ	MABJ	2
30F AFT CARGO DOOR-HYDRAULIC	11250	MABJBC	MABJ	2
30F MICRO SWITCH	1125A	MABJCA	MABJ	1
30F CONTROL SWITCH	1125B	MABJCB	MABJ	3
30F ACTUATOR	11251	MABJCC	MABJ	A
30F SHUTTLE VALVE	11252	MABJCD	MABJ	3
30F RESTRICTOR VALVE	11253	MABJCE	MABJ	1
30F HOSE	11254	MABJCF	MABJ	5
30F UNLOCK ASSY	11256	MABJCG	MABJ	5
30F SEQUENCE VALVE	11257	MABJCH	MABJ	5
30F SELECTOR VALVE	11258	MABJCI	MABJ	5
30F AFT CARGO DOOR AIRFRAME	11260	MABJJD	MABJ	1
30F ROLLER ASSEMBLY	1126A	MABJDA	MABJ	2
30F LATCHING MECHANISM	1126E	MABJDE	MABJ	3
30F DOOR FRAME ASSY	11261	MABJDF	MABJ	3
30F HINGE PIN	11265	MABJDG	MABJ	5
30F LATCH	11267	MABJDH	MABJ	3
30F BUMPER STOP	11268	MABJDJ	MABJ	0
30F CARGO DOOR RESERVOIR	451G0	MABJDK	MABJ	1
30F PARACHUTE EXTRACTION		MARK	MARK	555555555
30F EXTRACTION CHUTE REL ASSY	12860	MARKA	MARK	5
30F RELEASE HOUSING	12861	MARKB	MARK	3
30F RELEASE LINK	12862	MARKC	MARK	3
30F RELEASE RUSHING	12863	MARKD	MARK	1
30F RELEASE PLUNGER	12864	MARKE	MARK	3
30F KILLOCK PLUNGER HANDLE	12867	MARKF	MARK	3
30F CABLE ASSY CHUTE RELEASE	12822	MARKG	MARK	A
30F COUPLING QUICK DISCONNECT	12823	MARKH	MARK	5
30F CABLE ASSY EMERG RELEASE	12825	MARKJ	MARK	A
30F EMERG RELEASE/RELOCK ASSY	12850	MARKK	MARK	A
30F RELEASE STOP LEVER	12851	MARKL	MARK	3
30F RELEASE LEVER	12852	MARKM	MARK	3
30F RELEASE LEVER RUSHING	12853	MARKN	MARK	3
30F RELOCK HANDLE	12854	MARKP	MARK	9
30F RELOCK HOUSING ASSY	12855	MARKQ	MARK	1
30F BOMB RACK	12616	MARKZH	MARK	2
30F PARACHUTE RELEASE SOLENOID	12617	MARKZO	MARK	2
30F RETRIEVER WINCH	12618	MARKZO	MARK	2
30F CARGO DROP PREPARATION		MARK	MARK	222222222
30F CONVEYOR ASSY	12810	MARKA	MARK	2
30F L/R SYSTEM COMPONENTS	12820	MARKB	MARK	1
30F RAIL EXTENSION	12830	MARKC	MARK	2
30F L/R LATCH	12840	MARKD	MARK	3
30F EMERG RELEASE/RELOCK ASSY	12850	MARKE	MARK	2

PG0095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

000000001111111122222222333333334444444455555555666666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890

30E	EXTRACTION CHUTE REL/LOCK	12860	MARMF	MARM	0
30E	L/R DETENT LATCH ASSY	12870	MABMG	MABM	1
30E	AC130 ELECT COUNTER MEASURE		MAC	MAA	000000000
30E	APR-36 RADAR ANALYZER	76A00	MACAA	MAC	8
30E	PREAMP RADAR PREAMP-DETECT	76A80	MACAB	MAC	8
30E	THREAT DISPLAY UNIT	76A00	MACAC	MAC	5
30E	AZIMUTH	76A10	MACAD	MAC	3
30E	FWD ANTENNA	76A00	MACAF	MAC	3
30E	AFT ANTENNA	76A00	MACAF	MAC	3
30E	THRESHOLD CONTROL	76A00	MACAG	MAC	2
30E	CORRELATION CONTROL	76A00	MACAH	MAC	2
30E	RECEIVER APR-37	76A00	MACBA	MAC	8
30E	TRIM-7 MAIN UNIT	76C00	MACCA	MAC	8
30E	TRIM-7 CONTROL UNIT	76C00	MACCR	MAC	2
30E	TRIM-7 SWITCHING UNIT	76C00	MACCC	MAC	2
30E	TRIM-7 PANEL SWITCH	76C00	MACCD	MAC	1
30E	TRIM-7 ANTENNA	76C00	MACCE	MAC	8
30E	TRIM-7 RADOME FWD	76C00	MACCF	MAC	1
30E	TRIM-7 RADOME CTR	76C00	MACCG	MAC	1
30E	ASD-5 CONTROL DISPLAY UNIT	76F00	MACFA	MAC	8
30E	ASD-5 DATA PROCESSOR ASSY	76F00	MACFB	MAC	8
30E	ASD-5 CAL.GEN.	76F00	MACFC	MAC	5
30E	ASD-5 POWER SUPPLY	76F00	MACFD	MAC	8
30E	ASD-5 POST AMPL	76F00	MACFE	MAC	8
30E	ASD-5 ANTENNA SYS	76F00	MACFF	MAC	5
30E	ASD-5 PEDESTAL	76F00	MACFG	MAC	5
30E	ASD-5 ANT. CONT.	76F00	MACFH	MAC	3
30E	ASD-5 SERVO ELECT UNIT	76F00	MACFJ	MAC	8
30E	ASD-5 RADOME	76F00	MACFK	MAC	1
30E	ASD-5 FAIRING	76F00	MACFL	MAC	0
30E	ASD-5 SPOILER	76F00	MACFM	MAC	2
30E	ALE-20 DISPENSER	76F00	MACGA	MAC	3
30E	ALE-20 CONTROL	76F00	MACGB	MAC	2
30E	ALQ-87 RAM AIR TURBINE	76F00	MACRA	MAC	8
30E	ALQ-87 CONTROL BOX	76F00	MACRB	MAC	2
30E	ALQ-87 NOSE CONE	76F00	MACRC	MAC	1
30E	ALQ-87 TAIL SECTION	76F00	MACRF	MAC	1
30E	ALQ-87 CANISTER A	76F00	MACRQ	MAC	1
30E	ALQ-87 CANISTER B	76F00	MACRT	MAC	1
30E	ALQ-87 CANISTER C	76F00	MACRV	MAC	1
30E	ALQ-87 CANISTER D	76F00	MACRW	MAC	1
30E	ALQ-87 CARRIER ASSY	76F00	MACRZ	MAC	5
30E	AC130 PECULIAR WEAPONRY		MAE	MAA	010010010
30E	AC130 GUNNERY EQUIPMENT		MAFA	MAE	000010000
30E	AC130 20MM M61 GUN ASSY	75B00	MAEAA	MAFA	1
30E	AC130 20MM BOOSTER ACT ASSY	75B00	MAEAAA	MAFA	1
30E	AC130 20MM CLEAR SECT SOL	75B00	MAEAAH	MAFA	1
30E	AC130 20MM BARREL CLAMP ASSY	75B00	MAFAAC	MAFA	2
30E	AC130 20MM HOUSING ASSY	75B00	MAFAAD	MAFA	1
30E	AC130 20MM RECOIL ADAPTER	75B00	MAFAAE	MAFA	1

PG0095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

0000000011111111222222223333333344444444555555556666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890

30E	AC130	20MM	ROTOR ASSY	75BAF	MAEAAF	MAEA	0
30E	AC130	20MM	FIRING CONTACT	75BAG	MAFAAG	MAFA	0
30E	AC130	20MM	BOLT ASSY	75BAH	MAFAAH	MAEA	1
30E	AC130	20MM	BARRELS	75BAJ	MAFAAJ	MAEA	2
30E	AC130	20MM	LUBRICATOR	75BAK	MAFAAK	MAEA	1
30E	AC130	20MM	FLARELESS TUBE	75BAL	MAFAAL	MAEA	0
30E	AC130	20MM	HYD DRIVE M12	75BAN	MAFAAM	MAEA	0
30E	AC130	20MM	ELECT DRIVE GP	75BAN	MAFAAN	MAEA	0
30E	AC130	20MM	BATTERY 36AH	75BAP	MAFAAP	MAEA	0
30E	AC130	20MM	FLASH SUPPRESSOR	75BAQ	MAFAAQ	MAEA	0
30E	AC130	20MM	FLEX DRIVE SHAFT	75BAR	MAFAAR	MAEA	0
30E	AC130	20MM	LOCKING BLOCK	75BAS	MAFAAS	MAEA	1
30E	AC130	20MM	SPRING PIN	75BAT	MAFAAT	MAEA	1
30E	AC130	20MM	SHAFT ASSY	75BAU	MAFAAU	MAEA	1
30E	AC130	20MM	FIRING PIN	75BAV	MAFAAV	MAEA	0
30E	AC130	20MM	FIRING PIN CAN	75BAW	MAFAAW	MAEA	0
30E	AC130	20MM	CONTACT STOP	75BAX	MAFAAX	MAEA	0
30E	AC130	20MM	FIRING PIN SPRING	75BAY	MAFAAY	MAEA	0
30E	AC130	20MM	FIRING PIN INSUL	75BAZ	MAFAAZ	MAEA	1
30E	AC130	20MM	CAM INSULATOR	75BA1	MAFAAZA	MAEA	1
30E	AC130	20MM	SPRING PIN	75BA2	MAFAAZB	MAEA	0
30E	AC130	20MM	MUZZLE CLAMP	75BA3	MAFAAZC	MAEA	1
30E	AC130	20MM	FEEDER ASSY M2A2	75BR0	MAFAB	MAEA	0
30E	AC130	20MM	FEEDER HOUSING	75BRA	MAFABA	MAEA	0
30E	AC130	20MM	GEAR ASSY	75BRB	MAFABR	MAEA	0
30E	AC130	20MM	HOUSING : GUIDE	75BRD	MAFABD	MAEA	0
30E	AC130	20MM	LOCK PIN	75BRD	MAFABD	MAEA	0
30E	AC130	20MM	ROTOR SOLENOID	75BRE	MAFABE	MAEA	0
30E	AC130	20MM	AMMO CAN	75BRF	MAFABF	MAEA	0
30E	AC130	20MM	AMMO BOOSTER	75BRG	MAFABG	MAEA	0
30E	AC130	20MM	AMMO CHUTE	75BRH	MAFABH	MAEA	0
30E	AC130	20MM	AMMO CAN SPRING	75BRJ	MAFABJ	MAEA	0
30E	AC130	20MM	AMMO CAN SPRING	75BRK	MAFABK	MAEA	0
30E	AC130	20MM	AMMO CAN STUD	75BEL	MAFABL	MAEA	0
30E	AC130	20MM	AMMO CAN GROMMET	75BEM	MAFABM	MAEA	0
30E	AC130	20MM	AMMO CAN STUD	75BRN	MAFABN	MAEA	0
30E	AC130	20MM	MOUNT ASSY	75BC0	MAFAC	MAEA	1
30E	AC130	20MM	MOUNT ASSY FRONT	75BCA	MAFACA	MAEA	2
30E	AC130	20MM	MOUNT ASSY REAR	75BCB	MAFACB	MAEA	2
30E	AC130	20MM	GUN FIRE CONT.U	75BCD	MAFAD	MAEA	2
30E	AC130	20MM	CONTROL UNIT	75BCA	MAFADA	MAEA	3
30E	AC130	20MM	SAFE : ARM PNL	75BEO	MAEAE	MAEA	3
30E	AC130	20MM	PANEL	75BEA	MAEAEA	MAEA	3
30E	AC130	40MM	GUN ASSY	75CAC	MAEAF	MAEA	2
30E	AC130	40MM	BARREL	75CAA	MAFAFA	MAEA	2
30E	AC130	40MM	FLASH SUPPRESSOR	75CAB	MAFAFB	MAEA	0
30E	AC130	40MM	FIRING MECH ASSY	75CAC	MAFAFC	MAEA	1
30E	AC130	40MM	AMMO RACK	75CAD	MAFAFD	MAEA	0
30E	AC130	40MM	WELDMENT PALLET	75CAE	MAFAFE	MAEA	1
30E	AC130	40MM	MOUNT	75CFO	MAFAG	MAEA	2

PGG095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

00000000111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890

30E AC130 40MM ASSY	75CRA	MAEAGA	MAEA	2
30E AC130 40MM ELEVATION SLIDE	75CHB	MAEAGB	MAFA	0
30E AC130 40MM AZIMUTH ASSY	75CRC	MAEAGC	MAEA	0
30E AC130 40MM SCAL SET FLEV.	75CPD	MAEAGD	MAEA	0
30E AC130 40MM STAND ASSY	75CBF	MAEAGE	MAFA	1
30E AC130 40MM SAFE AND ARM PNL	75CCO	MAEAH	MAEA	2
30E AC130 40MM PANEL	75CCA	MAEAHA	MAEA	3
30E AC130 40MM JUNCTION BOX	75CDO	MAEAJ	MAEA	2
30E AC130 40MM RELAY	75CDA	MAEAJA	MAEA	2
30E AC130 40MM RELAY	75CDB	MAEAJB	MAEA	2
30E AC130 40MM LOADER ASSY	75CEO	MAEAK	MAEA	0
30E AC130 40MM RAMMER TRAY	75CEA	MAEAKA	MAEA	0
30E AC130 40MM BRFECHBLOCK ASY	75CFC	MAEAL	MAEA	1
30E AC130 40MM FIRING PIN	75CFA	MAEALA	MAEA	0
30E AC130 40MM FIRING PIN SPRNG	75CFB	MAEALB	MAEA	0
30E AC130 40MM OUTP COCRNG LVR	75CFC	MAEALC	MAEA	0
30E AC130 40MM INNR COCRNG LVR	75CFD	MAEALD	MAEA	0
30E AC130 40MM LVR PLUNGR SPRNG	75CFE	MAEALE	MAEA	0
30E AC130 40MM SEAR LVR PLUNGLK	75CFF	MAEALF	MAEA	0
30E AC130 40MM BRECH RNG CRANK	75CFG	MAEALG	MAEA	1
30E AC130 40MM BRECH RNG CRANK	75CFH	MAEALH	MAEA	1
30E AC130 40MM BRFECH RING ASY	75CGO	MAEAM	MAEA	0
30E AC130 40MM EXTRACTOR KIT	75CGA	MAEAMA	MAEA	0
30E AC130 40MM EXTRACTOR SDINDL	75CGB	MAEAMB	MAEA	0
30E AC130 40MM RECOIL CYLINDER	75CHO	MAEAN	MAEA	0
30E AC130 40MM BREECH CLOSNG SP	75CJO	MAEAP	MAEA	2
30E AC130 40MM GUN CASE	75CKO	MAEAQ	MAEA	0
30E AC130 105MM TUBE ASSY	75EAO	MAEAU	MAEA	1
30E AC130 105MM BLAST SUPPRESSR	75EAA	MAEUA	MAEA	2
30E AC130 105MM BREECH RING ASY	75EBO	MAEAV	MAEA	2
30E AC130 105MM BREECH BLOCK	75EBA	MAEAVA	MAEA	2
30E AC130 105MM EXTRACTOR	75EBB	MAEAVB	MAEA	0
30E AC130 105MM FIRING MECH.	75EBD	MAEAVC	MAEA	0
30E AC130 105MM BREECH OPER GRP	75EBD	MAEAVD	MAEA	0
30E AC130 105MM RECOIL MECH.	75ECO	MAEAW	MAEA	2
30E AC130 105MM RECUPERATOR CYL	75ECA	MAEAWA	MAEA	1
30E AC130 105MM RECUPERATOR CYL	75ECB	MAEAWB	MAEA	1
30E AC130 105MM OIL FILLER VLV	75ECC	MAEAWC	MAEA	0
30E AC130 105MM RECOIL SLEIGH	75ECD	MAEAWD	MAEA	1
30E AC130 105MM SNURBER ASSY	75EEO	MAEAX	MAEA	1
30E AC130 105MM MOUNT ASSY	75EEC	MAEAY	MAEA	1
30E AC130 105MM A2.BRNG.ASSY	75EEA	MAEAYA	MAEA	0
30E AC130 105MM YOKE	75EEB	MAEAYB	MAEA	0
30E AC130 105MM PALLET	75EEC	MAEAYC	MAEA	0
30E AC130 105MM SAFETY CAGE	75EED	MAEAYD	MAEA	1
30E AC130 105MM INDICATOR	75EEE	MAEAYE	MAEA	0
30E AC130 105MM TUBE RETRACTOR	75EEF	MAEAYF	MAEA	0
30E AC130 105MM AMMO RACK	75EEO	MAEAZ	MAEA	0
30E AC130 7.62MM MACHINE GUN	75AAO	MAFRA	MAEA	1
30E WEAPON FIRING AID/CONTROLS		MAEC	MAE	

010010010

PGG095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

0000000001111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
30F AC130 SIGHT JUNCTION BOX 741A0 MAECA MAEC 0
30F AC130 SIGHT BORESIGHT PNL 741B0 MAECB MAEC 0
30F AC130 SIGHT SYSTEM 74120 MAECC MAEC 0
30F AC130 SIGHT F/C DIS UNIT 74130 MAECD MAEC 0
30F AC130 SIGHT CONT SYS 74140 MAECE MAEC 0
30F AC130 SIGHT SENSE ANGLE IND 74150 MAECF MAEC 0
30F AC130 SIGHT PNL ASSY 7415A MAECFA MAEC 0
30F AC130 SIGHT PNL ASSY 7415B MAECFB MAEC 0
30F AC130 SIGNAL DATA PROCESSOR 74CA0 MAECGA MAEC 0
30F AC130 HEADS UP DISPLAY UNIT 74CB0 MAECGB MAEC 0
30F AC130 FIRE CONT DISPLAY UN 74CC0 MAECGC MAEC 0
30F AC130 ADMS PLUMBING SYS 74HA0 MAECH MAEC 0
30F AC130 ADMS TUBE 74HAA MAECHA MAEC 0
30F AC130 ADMS SIG COND AMP 74HAB MAECHB MAEC 0
30F AC130 ADMS TOTAL TEMP SEN 74HAC MAECHC MAEC 0
30F AC130 ADMS TRANSDUCER 74HAD MAECHO MAEC 0
30F AC130 ADMS TRANSDUCER 74HAE MAECHF MAEC 0
30F AC130 ADMS TRANSDUCER 74HAF MAECHF MAEC 0
30F AC130 ADMS TRANSDUCER 74HAG MAECHO MAEC 0
30F AC130 SW UNIT 74C10 MAECJA MAEC 0
30F AC130 SW UNIT CONT 74C20 MAECJB MAEC 0
30F AC130 ASN 91 TACT COMPUTER 74KA0 MAECKA MAEC 0
30F AC130 ASN 91 NAV PNL 74KB0 MAECKB MAEC 0
30F AC130 ASN 91 CO PLT DISPLY 74KD0 MAECKD MAEC 0
30F AC130 ASN 91 FIRE CONT PNL 74KE0 MAECKE MAEC 1
30F AC130 ASN 91 FIRE CONT PNL 74KE0 MAECKF MAEC 1
30F AC130 ASN 91 PWR SUPPLY 74NE0 MAECN MAEC 0
30F AC130 ASN 91 PWR SUPPLY 74NEA MAECNA MAEC 0
30F AC130 ASN 91 LO PASS FILTER 74NC0 MAECNC MAEC 0
30F AC130 ASN 91 RADOME 74ND0 MAECND MAEC 0
30F AC130 ASN 91 RADOME 74NDA MAECNDA MAEC 0
30F AC130 ASN 91 CONT IND 74NEC MAECNE MAEC 0
30F AC130 CONT IND 74NEA MAECNEA MAEC 0
30F AC130 TGM LOADR WPN CONT PN 74TA0 MAECTA MAEC 1
30F AC130 TGM CONT FLECT UNIT 74TB0 MAECTB MAEC 0
30F AC130 TGM AZ SYNC/RESOLVER 74TC0 MAECTC MAEC 0
30F AC130 TGM ELEV.SYNCHRO ASY 74TD0 MAECTD MAEC 0
30F AC130 TGM ELEV.RESOLVER ASY 74TE0 MAECTE MAEC 0
30F AC130 TGM LIMIT SW 74TF0 MAECTF MAEC 0
30F AC130 TGM CABLE ASSY 74TG0 MAECTG MAEC 0
30F AC130 TGM CABLE ASSY 74TGA MAECTGA MAEC 0
30F AC130 TGM CABLE ASSY 74TGB MAECTGB MAEC 0
30F AC130 TGM CABLE ASSY 74TGC MAECTGC MAEC 0
30F AC130 TGM CABLE ASSY 74TGD MAECTGD MAEC 0
30F AC130 TGM CABLE ASSY 74TGE MAECTGE MAEC 0
30F AC130 TGM COMPUTER GUN PNL 74TH0 MAECTH MAEC 1
30F AC130 TGM READY FIRE PNL 74TJO MAECTJ MAEC 1
30F AC130 GUN CONT.MODE PNL 75DA0 MAECU MAEC 0
30F AC130 GUN CONT.STATUS PNL 75DB0 MAECV MAEC 0
30F AC130 GUN CONT.STATUS LT PN 75DC0 MAECW MAEC 0

```

PGG095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

00000000011111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
30E AC130 APQ 150 RADAR RX/TX 74WA0 MAECWA MAEC 0
30E AC130 APQ 150 POWER SUPPLY 74WB0 MAECWB MAEC 0
30E AC130 APQ 150 LO PASS FILTER 74WC0 MAECWC MAEC 0
30E AC130 APQ 150 RADOME 74WD0 MAECWD MAEC 0
30E AC130 APQ 150 CONT IND 74WE0 MAECWE MAEC 0
30E AC130 GUN CONT.PNL ASSY 75DD0 MAECX MAEC 0
30E SUSPENDED WEAPONRY MAED MAE 010000010
30E LAU 74 LAUNCHER 97CA0 MAEDA MAED A
30E LAU 74 CONTROL BOX ASSY 97CB0 MAEDB MAED A
30E LAU 74 RAIL INSTALLATION 97CC0 MAEDC MAED A
30E LAU 74 ELECTRICAL HARNESS 97CD0 MAEDD MAED 1
30E MAU 12 ROMB RACK SYSTEM 75FA0 MAEDF MAED A
30E SHU 42 DISPENSER SYSTEM 75GA0 MAEDG MAED A
30E DETONATOR 97CE3 MAEDH MAED A
30E RELEASE SQUIB 97AAG MAEDJ MAED A
30E SPA DC130E PECULIAR MAF MAA 0AAAAAAAA0
30E GUIDANCE CONTROL MAFA MAF 000010000
30E SYS COMPONENT LAUNCH/GUIDE 53AD0 MAFAA MAFA 0
30E SPA CLOSED CKT TV SYS 53BA0 MAFAB MAFA 0
30E SPA TV CAMERA 53BAA MAFABA MAFA 0
30E SPA WINDOW 53BAC MAFABC MAFA 0
30E SPA HEATER CAMERA 53BAD MAFABD MAFA 0
30E SPA TV MONITOR 53BAF MAFABF MAFA 0
30E SPA TV CONTROL UNIT 53BAG MAFABG MAFA 0
30E SPA AIR DATA COMPUTER SYS 53CA0 MAFAC MAFA 0
30E SPA CADC COMPUTER 53CAA MAFACA MAFA 0
30E SPA CADC MOUNTING 53CAR MAFACR MAFA 0
30E SPA INTERFACE BOX 53CB0 MAFAD MAFA 0
30E APW-23 MCGS ANTENNA SYS 53BA0 MAFRA MAFA 1
30E APW-23 MCGS INDICATOR 53BE0 MAFBB MAFA 1
30E APW-23 MCGS FLT DATA IND 53BC0 MAFBC MAFA 1
30E APW-23 MCGS AZ IND 53BD0 MAFBD MAFA 1
30E APW-23 MCGS IND CONT 53BEC MAFBE MAFA 1
30E APW-23 MCGS CODER DECODER 53BF0 MAFBF MAFA 1
30E APW-23 MCGS COMPUTER HEAD 53BG0 MAFBG MAFA 1
30E APW-23 MCGS COMPUTER RANGE 53BH0 MAFBH MAFA 1
30E APW-23 MCGS CONT.ANT. 53BJ0 MAFBJ MAFA 1
30E APW-23 MCGS AIR NAV.COMP. 53BK0 MAFBK MAFA 1
30E APW-23 MCGS COUPLER DIRECT 53BL0 MAFBL MAFA 1
30E APW-23 MCGS ATTENUATOR 53BM0 MAFBM MAFA 0
30E APW-23 MCGS CONT IND 53BN0 MAFBN MAFA 0
30E APW-23 MCGS CONT PLOTT 53BP0 MAFBP MAFA 0
30E APW-23 MCGS CONT CODER 53BQ0 MAFBQ MAFA 0
30E APW-23 MCGS CONT APW 23 53BR0 MAFBR MAFA 8
30E APW-23 MCGS VACUUM PUMP 53BS0 MAFBS MAFA 1
30E APW-23 MCGS CONT IND 53BT0 MAFBT MAFA 1
30E APW-23 MCGS AMP SYNCHRO 53BU0 MAFBU MAFA 1
30E APW-23 MCGS RFF SIG GEN 53BV0 MAFBV MAFA 1
30E APW-23 MCGS AMP DETECTOR 53BW0 MAFBW MAFA 1
30E APW-23 MCGS IND BRNG 53BX0 MAFBX MAFA 1

```


PGG095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

000000001111111112222222223333333334444444445555555556666666667777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890

30E	APW-23	MCGS	IND BRANGE	533YC	MAFBY	MAFA	1
30E	APW-23	MCGS	AMPL ELEC CONT	533ZD	MAFRZ	MAFA	1
30E	APW-23	MCGS	RCVP XMTR	5331D	MAFCA	MAFA	2
30E	APW-23	MCGS	RCVR XMTR	5332D	MAFCB	MAFA	2
30E	APW-23	MCGS	PLOTTING BOARD	5333D	MAFCC	MAFA	1
30E	APW-23	MCGS	POWER SUPPLY	5334D	MAFCD	MAFA	1
30E	APW-23	MCGS	POWER SUPPLY	5335D	MAFCE	MAFA	1
30E	APW-23	MCGS	POWER SUPPLY	5336D	MAFCF	MAFA	1
30E	APW-23	MCGS	POWER SUPPLY	5337D	MAFCG	MAFA	1
30E	APW-23	MCGS	MISC AC EQUIP	5338D	MAFCH	MAFA	0
30E	APW-23	MCGS	ANT/RADOME COM	533BJ	MAFCJ	MAFA	1
30E	APW-23	MCGS	COUPLING	533FM	MAFCM	MAFA	0
30E	APW-23	MCGS	ALTIMETER	533BT	MAFCT	MAFA	0
30E	DC 130	SPA	PILOT INST PNL	71AAQ	MAFCU	MAFA	1
30E	LONG	PYLON	UMBILICAL PLUG	11721	MAFJR	MAFL	5
30E	LONG	PYLON	UMBILICAL IGN	11722	MAFJC	MAFL	5
30E	LONG	PYLON	CKT BREAKER	11723	MAFJD	MAFL	2
30E	SHORT	PYLON	HARVESS	11741	MAFJE	MAFL	1
30E	SHORT	PYLON	BOM RAK HARNESS	11742	MAFJF	MAFL	1
30E	SHORT	PYLON	SQUIB WIRING	11743	MAFJG	MAFL	1
30E	SHORT	PYLON	BATTERY	11744	MAFJH	MAFL	3
30E	SHORT	PYLON	CKT BREAKER	11745	MAFJJ	MAFL	2
30E	SHORT	PYLON	EXCITER IGN	11746	MAFJK	MAFL	3
30E	SHORT	PYLON	IGNITION LEAD	11747	MAFJL	MAFL	3
30E	SHORT	PYLON	UMBILICAL	11748	MAFJM	MAFL	1
30E	SPA	LAUNCH			MAFL	MAF	000010000
30E	APW 23	MCGS	LAUNCH CONT	5335C	MAFLA	MAFL	2
30E	SPA	SUSPENSION			MAFS	MAF	011000010
30E	LONG	PYLON	COVER PLATE ASSY	1171A	MAFSA	MAFS	0
30E	LONG	PYLON	HOOK LINK	1171B	MAFSB	MAFS	1
30E	LONG	PYLON	PRELOAD SCREW	1171C	MAFSC	MAFS	1
30E	LONG	PYLON	SPRING	1171D	MAFSU	MAFS	0
30E	LONG	PYLON	PIN ARM SAFE	1171E	MAFSE	MAFS	1
30E	LONG	PYLON	STRUT ASSY	1171F	MAFSF	MAFS	1
30E	LONG	PYLON	FAIRING	1171G	MAFSG	MAFS	0
30E	LONG	PYLON	DOORS	1171H	MAFSH	MAFS	0
30E	LONG	PYLON	WINDOW	1171J	MAFSJ	MAFS	0
30E	LONG	PYLON	TRAILING EDGE	1171K	MAFSK	MAFS	0
30E	LONG	PYLON	LEADING EDGE	1171L	MAFSL	MAFS	0
30E	LONG	PYLON	CUFF SWAY BRACE	1171M	MAFSM	MAFS	1
30E	LONG	PYLON	SKIN	1171N	MAFSN	MAFS	0
30E	LONG	PYLON	RACK ASSY S-4	1171P	MAFSP	MAFS	1
30E	LONG	PYLON	SWAY BRACE FUS	1171Q	MAFSQ	MAFS	1
30E	LONG	PYLON	SWAY BRACE WNG	11711	MAFSR	MAFS	1
30E	LONG	PYLON	UP LOCK	11712	MAFSS	MAFS	1
30E	LONG	PYLON	SEAL	11714	MAFST	MAFS	0
30E	LONG	PYLON	UMBILICAL CAP	11715	MAFSU	MAFS	0
30E	SHORT	PYLON	COVER PLATE	1173A	MAFSVA	MAFS	0
30E	SHORT	PYLON	HOOK LINK	1173B	MAFSVB	MAFS	1
30E	SHORT	PYLON	PRELOAD SCREW	1173C	MAFSVC	MAFS	1

060095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

0000000011111111112222222222333333333344444444445555555555666666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890

30F	SHORT PYLON PIN ARM SAFE	11730	MAFSVD	MAFS	1
30L	SHORT PYLON FAIRING	11731	MAFSVE	MAFS	0
30F	SHORT PYLON SEAL	11732	MAFSVF	MAFS	0
30F	SHORT PYLON SWAY BRACE	11733	MAFSVG	MAFS	1
30F	SHORT PYLON LANYARD	11734	MAFSVH	MAFS	1
30F	SHORT PYLON DOOR	11735	MAFSVI	MAFS	0
30F	SHORT PYLON TRAILING EDGE	11736	MAFSVK	MAFS	0
30F	SHORT PYLON NOSE ASSY	11737	MAFSVL	MAFS	0
30F	SHORT PYLON PAD ASSY	11738	MAFSVM	MAFS	0
30F	SHORT PYLON STRUT ASSY	11739	MAFSVN	MAFS	1
30F	SHORT PYLON RACK BOMB	11740	MAFSVP	MAFS	1
30F	DC 130 E SPARLEED AIR	41A00	MAFX	MAF	0
30F	DC 130 E SPAPRESSURIZATION	41A01	MAFY	MAF	0
30F	DC 130 E SPA AIR COND SYS	41A02	MAFZ	MAF	0
30F	AIR CREW EQUIP		MAG	MAA	000000000
30L	WING	12310	MAGA	MAG	0
30F	SWITCH BLOCK	12311	MAGB	MAG	0
30F	RADIO/PHONE OPERATOR SEAT	12312	MAGC	MAG	0
30F	RADIO/PHONE OPERATOR TABLE	12313	MAGD	MAG	0
30F	STORAGE RACK	12314	MAGE	MAG	0
30F	PLOTTER TABLE	12315	MAGF	MAG	0
30F	WORK STAND/STEP	12316	MAGG	MAG	0
30F	OPS EQUIP STORAGE BIN	12317	MAGH	MAG	0
30F	CARGO HANDLING EQUIPMENT	12318	MAGJ	MAG	0
30F	SCANNER SEAT	12319	MAGK	MAG	0
30F	SUPPORT EQUIPMENT	12320	MAGL	MAG	0
30F	SCANNER/OBSERVER STATION	12321	MAGM	MAG	0
30L	SEAT BASE	12322	MAGN	MAG	0
30F	ARMREST	12323	MAGP	MAG	0
30L	SEAT TRACK	12324	MAGQ	MAG	0
30F	PAINT ROOM	12410	MAGR	MAG	0
30F	SEAT BRACKET	12411	MAGS	MAG	0
30F	CRPS/OPS OPER SEAT	12412	MAGT	MAG	0
30F	EQUIP STORAGE	12413	MAGU	MAG	0
30F	CARGO HANDLING EQUIP	12414	MAGV	MAG	0
30F	STORAGE CONTAINER	12415	MAGW	MAG	0
30F	CARGO HANDLING EQUIPMENT	12510	MAGX	MAG	0
30F	PERSONNEL ENVIRONMENT		MAH	MAA	000000000
30L	SEAT CUSHION	12511	MAHA	MAH	0
30L	URINAL	12512	MAHB	MAH	0
30L	ORINAL DRAIN	12513	MAHC	MAH	0
30L	CREW BUNK	12514	MAHD	MAH	0
30L	BUNK MATTRESS	12515	MAHE	MAH	0
30L	URINAL	12516	MAHF	MAH	0
30L	ORINAL DRAIN LINE	12517	MAHG	MAH	0
30F	TOILET FACILITIES	12518	MAHH	MAH	0
30L	TOILET TRACK	12519	MAHJ	MAH	0
30F	OVEN	49410	MAHK	MAH	0
30L	COOLER	49411	MAHL	MAH	0
30F	SINK	49412	MAHM	MAH	0

PG0095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

0000000001111111112222222223333333334444444445555555556666666667777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890

30F	HOT CUP	49411	MAHN	MAH	0
30F	ELECTRIC REFRIGERATOR	49413	MAHP	MAH	0
30F	WATER SYSTEM	49210	MAHQ	MAH	0
30F	CONTAINER	49212	MAHR	MAH	0
30F	WASH BASIN	49213	MAHS	MAH	0
30F	MIRROR ASSY	49214	MAHT	MAH	0
30F	FAUCET ASSY	49215	MAHU	MAH	0
30F	SHIELD ASSY	49216	MAHV	MAH	0
30F	WASH WATER TANK	49217	MAHW	MAH	0
30F	GAGE	49218	MAHX	MAH	0
30F	WC130 PECULIAR EQUIP		MAJ	MAA	000000000
30F	WC130 METEOROLOGICAL EQUIP		MAJA	MAJ	111111111
30F	WC130 MET ALT SYS	944A0	MAJAA	MAJA	1
30F	WC130 PRESSUPE SENSOR	944AA	MAJAAA	MAJA	1
30F	WC130 STATUS PANEL	944AB	MAJAAB	MAJA	1
30F	WC130 DIGITAL METER PANEL	944AB	MAJABA	MAJA	1
30F	WC130 OPTICAL DEW POINT EQ	942A0	MAJAC	MAJA	1
30F	WC130 QDP HYGRUMETER	942AA	MAJACA	MAJA	1
30F	WC130 QDP CONTROL UNIT	942AB	MAJACB	MAJA	1
30F	WC130 QDP SENSING UNIT	942AC	MAJACC	MAJA	1
30F	WC130 QDP READOUT UNIT	942AB	MAJACD	MAJA	1
30F	WC130 PRECISE RAD THERMO SY	943A0	MAJAD	MAJA	1
30F	WC130 PRT THERMOMETER	943AA	MAJADA	MAJA	1
30F	WC130 PRT CONTROL PANEL	943AB	MAJADB	MAJA	1
30F	WC130 PRT OPTICAL UNIT	943AC	MAJADC	MAJA	1
30F	WC130 RECORDING SYS GEN	944A0	MAJAF	MAJA	1
30F	WC130 STRIP CHART RECORDER	944AA	MAJAEA	MAJA	1
30F	WC130 AMPLIFIER	944AB	MAJAEB	MAJA	1
30F	WC130 SYNCHRO ASSY	944F0	MAJAF	MAJA	1
30F	WC130 POWER SUPPLY	944C0	MAJAG	MAJA	1
30F	WC130 AMQ-29 DROPSOND RECGR	946A0	MAJAH	MAJA	1
30F	WC130 AMQ-29 ELCT COUNTER	946AA	MAJAH	MAJA	1
30F	WC130 AMQ-29 RESET CONT	946B0	MAJAJ	MAJA	1
30F	WC130 AMQ-29 DIGIT RECORDER	946C0	MAJAK	MAJA	1
30F	WC130 AMQ 29 STRIP CHART	946E0	MAJAL	MAJA	1
30F	WC130 AMQ 29 STRIP CHART	946DA	MAJALA	MAJA	1
30F	WC130 AMQ 29 FUNCT GEN	946F0	MAJAM	MAJA	1
30F	WC130 AMQ 29 FUNCT GEN	946FA	MAJAMA	MAJA	1
30F	WC130 AMQ 29 FREQ CONVERTR	946G0	MAJAN	MAJA	1
30F	WC130 AMQ 29 FREQ CONVERTR	946GA	MAJANA	MAJA	1
30F	WC130 AMQ 29 RECEIVER	946H0	MAJAP	MAJA	1
30F	WC130 AMQ 29 RECEIVER	946HA	MAJAPA	MAJA	1
30F	WC130 AMQ 29 CONT PANEL	946J0	MAJAO	MAJA	1
30F	WC130 AMQ 29 CONT PANEL	946JA	MAJAQA	MAJA	1
30F	WC130 AMQ 29 DESK CALCULATR	946K0	MAJAR	MAJA	1
30F	WC130 AMQ 29 DESK CALCULATR	946K1	MAJARA	MAJA	1
30F	WC130 DROPSONDE DISPENSER	948A0	MAJAS	MAJA	1
30F	WC130 DROPSONDE DISPENSER	948AA	MAJASA	MAJA	1
30F	WC130 DROPSONDE PRESS SW	948AB	MAJASB	MAJA	1
30F	WC130 DROPSONDE MICRO SW	948AC	MAJASC	MAJA	1

PG0095.JIR1 DATE = 08/17/75

FLIGHT SAFETY PREDICTION TECHNIQUE

```

000000001111111112222222223333333334444444445555555556666666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890
30E WC130 DROPSONDE VALVE ASSY 948AD MAJASD MAJA 1
30E WC130 DROPSONDE ARM SOL 948AE MAJASE MAJA 1
30E WC130 DROPSONDE SLEEVE ASY 948AF MAJASF MAJA 1
30E WC130 DROPSONDE OUTER CHAM 948AG MAJASG MAJA 1
30E WC130 DROPSONDE PRESS TUBE 948AH MAJASH MAJA 1
30E WC130 DROPSONDE MONITOR PNL 948PG MAJAT MAJA 1
30E WC130 ATMOSPHERIC RESEARCH MAJB MAJ 111111111
30E WC130 ATM RES 1-2 FOIL SYS 98AX MAJBA MAJB 1
30E WC130 ATM RES 1-2 FOIL 98AA MAJBAA MAJB 1
30E WC130 ATM RES U-1 FOIL SYS 98BXX MAJBH MAJB 1
30E WC130 ATM RES U-1 FOIL 98BA MAJBBA MAJB 1
30E WC130 ATM RES FWD DUCT 98BEO MAJBHH MAJB 1
30E WC130 ATM RES AFT DUCT 98BEO MAJBBC MAJB 1
30E WC130 ATM RES FOIL PLATFORM 98BEO MAJBBD MAJB 1
30E WC130 ATM RES BENDIX CHARGE 98BEO MAJBBE MAJB 1
30E WC130 ATM RES FILTER ASSY 98BEO MAJBHF MAJB 1
30E WC130 ATM RES OPER POSIT SY 98CAX MAJHC MAJB 1
30E WC130 ATM RES OPER POSITION 98CAO MAJBCA MAJB 1
30E WC130 ATM RES R-400 SYS 98DXX MAJRD MAJB 1
30E WC130 ATM RES R-400 SYS 98DAO MAJBDA MAJB 1
30E WC130 ATM RES PRESS SYS 98EXX MAJRE MAJB 1
30E WC130 ATM RES INLET ASSY 98FAO MAJBFA MAJB 1
30E WC130 ATM RES PRESS PLATE 98FBO MAJBFB MAJB 1
30E WC130 ATM RES ELECTRICAL 98ECO MAJBEL MAJB 1
30E WC130 ATM RES CRYSTAL DET 98FXX MAJBFE MAJB 1
30E WC130 ATM RES D500 RCVR SY 98FAO MAJBFA MAJB 1
30E WC130 ATM RES CONT/DISPLAY 98FEO MAJBFB MAJB 1
30E WC130 ATM RES TIGRASS SYS 98FEO MAJBFC MAJB 1
30E WC130 ATM RES J SYSTEM 98FEO MAJBFD MAJB 1
30E FORWARD LOOKING RADAR MAQ MAQ 000000000
30E CONTROL ALTIMETER 72KAA MAQA MAQ 3
30E CONTROL NR2 72KAB MAQB MAQ 3
30E FILTER ASSY 72KAC MAQC MAQ 1
30E MOUNTING FORWARD 72KAD MAQD MAQ 0
30E WIRING HARNESS 72KAE MAQE MAQ 1
30E SPECIAL PURPOSE CABLE ASY 72KAF MAQF MAQ 1
30E REAR IND BOLT ASSY 72KAG MAQG MAQ 1
30E FORWARD INDICATOR 72KAH MAQH MAQ 3
30E RADAR SET CONTROL 72KEC MAQJ MAQ 5
30E PROGRAMMER POWER SUPPLY 72KEO MAQK MAQ 8
30E COMPUTER COMMAND 72KEO MAQL MAQ 8
30E TRANSMITTER 72KEO MAQM MAQ 8
30E RECEIVER ANTENNA 72KEO MAQN MAQ 8
30E FORWARD AZIMUTH INDICATOR 72KEO MAQO MAQ 1
30E ELECTRICAL CONVERTER 72KEO MAQP MAQ 1
30E APO-115 RADOME 1142T MAQT MAQ 1
30E EQUIPMENT RACK 1142U MAQU MAQ 1
30E RADOME SEAL 1142V MAQV MAQ 1
30E RADOME NOSE 1142W MAQW MAQ 1
30E STIFFENER 1142X MAQX MAQ 1

```

PGG095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

0000000001111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
30E RECOVERY MAR MAA 000010000
30E AIR TO AIR RECOVERY MARA 111111111
30E RECOVERY SYSTEM *80G< 12AA0 MARAA MARA 1
30E LEVEL AND WIND 12AB0 MARAB MARA A
30E GEAR BOX SYSTEM 12AC0 MARAC MARA A
30E SHAFT AND DRUM 12AD0 MARAD MARA 1
30E CAP SYSTEM 12AE0 MARAE MARA 1
30E PLANETARY DRIVE SYS 12AF0 MARAF MARA 1
30E DRUM SYSTEM 12AG0 MARAG MARA 1
30E FRAME SYSTEM 12AH0 MARAH MARA 1
30E BRAKE SYSTEM 12AJ0 MARAJ MARA 1
30E CARRIER SYSTEM 12AK0 MARAK MARA 1
30E DAVIT SYSTEM 12AL0 MAPAL MARA 1
30E CABLE CUTTER SYSTEM 12AM0 MARAM MARA A
30E MODEL 61 WINCH SYSTEM 12AN0 MAPAN MARA 1
30E RECOVERY POLE SYSTEM 12AP0 MARAP MARA 1
30E POLE MOUNT AND SUPPORT SYS 12AQ0 MARAQ MARA 1
30E HYDRAULIC SYS 12AR0 MARAR MARA 1
30E PEDESTAL SYS 12AS0 MARAS MARA 1
30E RECOVERY SYS 12AT0 MARAT MARA 1
30E HOOK AND LOOP SYS 12AU0 MARAU MARA 1
30E AIR DEFLECTOR SYS 12AV0 MARAV MARA 1
30E RESCUE RECOVERY MARR AAAAAAAAA
30E SYSTEM COMPONENTS 12710 MARRA MARR 2
30E YOKE GENERAL 12720 MARRB MARR 1
30E YOKE HYDRAULIC 12730 MAPRC MARR 1
30E ELECTRICAL COMPONENT 12740 MAPRD MARR 1
30E SKY ANCHOR SYS 12750 MARRE MARR 5
30E RECOVERY WINCH SYS 12760 MARRH MARR 8
30E HYDRAULIC COMPONENTS 12770 MARRJ MARR 5
30E RECOVERY WINCH ELECTRICAL 12780 MARRK MARR 1
30E LANDING GEAR N AAAAAAAAA
30E GEAR EXTEND NA 000000000
30E MLG EXTEND NAA AAAAAAAAA
30E MLG EXTEND NAA F11111111
30E MLG DOORS DOWN NAB 000000000
30E MLG DOOR 4 EACH 11270 NABA NAB 1
30E SUPPORT 4 EACH 11278 NABR NAB 8
30E FITTING ASSY 4 EACH 11270 NABC NAB 1
30E BUMPER 2 EACH 1127E NABD NAB 0
30E FRAME DOOR ASSY 4 EACH 11271 NABE NAB 1
30E ROD ASSY 6 EACH 11273 NARF NAB 1
30E TORQUE TUBE 2 EACH 11275 NARG NAB 8
30E LOCK MECHANISM 11276 NARR NAB 0
30E UNLOCK BRAKE RELEASED NAC S11111111
30E UNLOCK BRAKE RELEASED NAC FAAAAAAAAA
30E UNLOCK BRAKE RELEASED NAC FAAAAAAAAA
30E UNLOCK 2 EACH 1311F NACA NAC 8
30E FRICTION WASHER 2 EACH 1311P NACB NAC 1
30E RETRACT BRAKE-MANUAL GRBOX 1311S NACC NAC 8

```

PG 0005.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

0000000011111111112222222222333333333344444444445555555555666666666677777777778						
12345678901234567890123456789012345678901234567890123456789012345678901234567890						
400	BRAKE ASSY-MLG RETRACTION	1312L	NACU	NAC	8	
400	WHEEL EXTEND		NAD	NAD	8	
300	RETRACT BRAKE-MANUAL GRPOX	13115	NADA	NAD	8	
300	RETRACT MECHANISM BRACKET	1311U	NADR	NAD	0	
300	REUNDANCY ATTENUATION		NADX	NAA		111111111
300	MLG DOWN ACTUATION		NAE	NAD		AAAAAAAAA
300	BLEED VALVE	1312A	NAEA	NAL	8	
300	RELIEF VALVE	1312B	NAEB	NAE	2	
300	SHUT	1312C	NAEC	NAE	1	
300	HOSE	1312E	NAED	NAE	1	
300	SWIVEL JOINT	1312G	NAEE	NAE	1	
300	SHUT OFF VALVE	1312J	NAEF	NAE	8	
300	ACTUATING MOTOR	1312I	NAEG	NAE	A	
300	RESTRICTOR	13122	NAEH	NAE	0	
300	FLOW REGULATOR	13124	NAEJ	NAE	0	
300	SHUTTLE VALVE	13125	NAEK	NAE	1	
300	CONTROL VALVE	13126	NAEL	NAE	8	
300	EMERGENCY EXTEND		NAF	NAA		K NAD AAAAAAAAAA
300	MANUAL RELEASE CABLE	1311G	NAFA	NAF	A	
300	STIR SHAFT	13614	NAFB	NAF	A	
300	TORQUE TUBE	13615	NAFC	NAF	A	
300	MITER BOX	13616	NAFD	NAF	0	
300	BRACKET	13617	NAFE	NAF	0	
300	PRIMARY EMERG EXTEND		NAG	NAF		111111111
300	RETRACT BRAKE-MANUAL GRPOX	13115	NAGA	NAG	8	
300	DUMP VALVE	13127	NAGR	NAG	8	
300	PULLEY	1361A	NAGE	NAG	8	
300	MAIN GEAR MAN.EXT.DRIVE	1361D	NAGD	NAG	A	
300	MAN.GEARBOX RELEASE HANDLE	13612	NAGE	NAG	A	
300	MANUAL RELEASE CABLE	13613	NAGF	NAG	A	
300	LDG GEAR SEL.VALVE	13626	NAGG	NAG	A	
300	BRAKE BLOCK	13618	NAGH	NAG	8	
300	BACKUP EMERG EXTEND		NAH	NAF		111111111
300	LDG GEAR OBSERV.WINDOW	1112K	NAHA	NAH	0	
300	WHEEL WELL ASSY	1143C	NAHR	NAH	0	
300	EMERG EXT WRENCH	0913A	NAHC	NAH	A	
300	DOWNLOCK ENGAGED		NAJ	NAA		AAAAAAAAA
300	DOWNLOCK	1311G	NAJA	NAJ	A	
300	LOWER BUMPER STOP	1311K	NAJP	NAJ	0	
300	TORQUE STRUT	1311F	NAJC	NAJ	A	
300	MLG DOWN ACTIVATION		NAK	NAA		AAAAAAAAA
300	UPPER SHOE ASSY	1311A	NAKA	NAK	1	
300	LOWER SHOE ASSY	1311B	NAKB	NAK	1	
300	TRACK ASSY RIGHT	1311C	NAKC	NAK	8	
300	TRACK ASSY LEFT	1311D	NAKD	NAK	8	
300	AIR FILLER VALVE	1311H	NAKE	NAK	1	
300	DRAG PIN	1311L	NAKH	NAK	8	
300	GEAR BOX	1311M	NAKJ	NAK	8	
300	BALL	1311N	NAKK	NAK	8	
300	HELICORANK ASSY SNUBBER	1311R	NAKL	NAK	8	

PG0195.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

0000000011111111222222223333333344444444555555556666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890

30F TRUNNION	1311S	NAKM	NAK	A
30F CLUTCH	1311T	NAKN	NAK	1
30F BALL SCREW ASSY	1311V	NAKP	NAK	8
30F TORQUE BOLT	1311W	NAKQ	NAK	8
30F JACK SCREW	1311X	NAKR	NAK	A
30F SCREW BRAKE	1311Y	NAKS	NAK	1
30F BRAG PIN BUSHING	1311Z	NAKT	NAK	1
30F STRUT	13111	NAKU	NAK	8
30F PISTON	13112	NAKV	NAK	8
30F HORIZONTAL TORQUE TUBE	13113	NAKW	NAK	A
30F VERT TORQUE TUBE	13114	NAKX	NAK	A
30F UPPER SWIVEL BRACKET	13116	NAKY	NAK	8
30F SHELF BRACKET	13117	NAKZ	NAK	0
30F CHINE ANGLE	13118	NAKZA	NAK	8
30F GEAR EXTEND CONTROL		NAL	NAL X	111111111
30F SELECTOR VALVE	13128	NALA	NAL	A
30F CONTROL UNIT UP-DOWN	13311	NALB	NAL	A
30F REDUNDANCY ATTENUATION		NALX	NA	111111111
30F NLG EXTEND		NAM	NA	AAAAAAAAA
30F NLG EXTEND		NAM	NAV	F11111111
30F NLG DOORS DOWN		NAN	NAM	000000000
30F SUPPORT	11288	NANA	NAN	8
30F BUMPER	1128E	NANB	NAN	0
30F ROD ASSY BEARING	1128F	NANC	NAN	1
30F FRAME DOOR ASSY	11281	NAND	NAN	1
30F ROD ASSY	11283	NANE	NAN	8
30F TORQUE TUBE	11285	NANF	NAN	A
30F LOCK MECHANISM	11286	NANG	NAN	0
30F UNLOCK RELEASED		NAP	NAM	AAAAAAAAA
30F UNLOCK	1321F	NAPA	NAP	A
30F UNLOCK CYLINDER	13222	NAPB	NAP	8
30F NORMAL EXTEND		NAQ	NAM	111111111
30F SHUT&OFF VALVE	13228	NAQA	NAQ	8
30F CYLINDER ACTUATOR	13221	NAQB	NAQ	A
30F PRESSURE REDUCER VALVE	13224	NAQC	NAQ	8
30F RELIEF VALVE	13225	NAQD	NAQ	2
30F RESTRICTOR	13226	NAQE	NAQ	0
30F CHECK VALVE	13227	NAQF	NAQ	1
30F SHUTTLE VALVE	13228	NAQG	NAQ	1
30F EMERGENCY EXTEND		NAR	NAM	K NAQ AAAAAAAAA
30F PULLEY	1361A	NARA	NAR	8
30F NG EMERG RELEASE HANDLE	13611	NARB	NAR	A
30F NG EXTEND VALVE-HANDLE	13621	NARC	NAR	A
30F DUMP VALVE	13623	NARD	NAR	A
30F NOSE EXTENSION VALVE	13625	NARE	NAR	A
30F LG GEAR SELECT VALVE	13626	NAKF	NAR	A
30F DOWNLOCK ENGAGE		NAS	NAM	AAAAAAAAA
30F DOWNLOCK	1321G	NASA	NAS	A
30F DOWNLOCK CYLINDER	13223	NASB	NAS	A
30F NLG DOWN ACTIVATION		NAT	NAM	AAAAAAAAA

PG0095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

00000000011111111112222222222333333333344444444445555555555666666666677777777778					
12345678901234567890123456789012345678901234567890123456789012345678901234567890					
300 BEARING ANTI-FRICTION	13210	NATA	NAT	8	
300 BUSHING	1321F	NATB	NAT	1	
300 NG CRANK	1321H	NATC	NAT	8	
300 BRACE ASSY DRAG	1321N	NATD	NAT	8	
300 TRUNNION	1321R	NATE	NAT	8	
300 PULCRIM	1321S	NATF	NAT	8	
300 M/G DOWN INDICATION		NAU	NAF		111111111
300 INDICATOR POSITION RIGHT	1331A	NAUA	NAU	A	
300 SWITCH/DOWN LIMIT 2 EACH	1331B	NAUB	NAU	A	
300 INDICATOR POSITION LEFT	1331B	NAUC	NAU	A	
300 M/G DOWN IND		NAV	NAF		111111111
300 SWITCH/DOWN LIMIT	13322	NAVA	NAV	A	
300 SWITCH/DOWN LOCK LIM	13323	NAVB	NAV	A	
300 INDICATION POSITION	13324	NAVC	NAV	A	
300 ROLLING SUPPORT		NB	N		1A00000A1
300 WHEELS	13710	NBA	NB	0	
300 AXLE	1371A	NBB	NB	A	
300 HUB	1371B	NBC	NB	0	
300 RETAINING NUT	13713	NBD	NB	A	
300 RETAINING CAP	13714	NBE	NB	0	
300 TIRES	13720	NBF	NB	0	
300 INNER TUBE	13723	NBG	NB	1	
300 M/G SUPPORT		NBM	NB		AAAAA AAAA
300 MAIN WHEELS	13711	NBMA	NBM	1	
300 BEARING MAIN	13715	NBMB	NBM	8	
300 MAIN TIRES	13721	NBMC	NBM	1	
300 M/G SUPPORT		NBN	NB		AAAAA AAAA
300 DISCONNECT HANDLE	1321P	NBNA	NBN	0	
300 TOW FITTING	1321C	NBNB	NBN	0	
300 DRAG FITTING STRAP	1321K	NBNC	NBN	5	
300 DRAG LINK BEARING INSERT	1321P	NBND	NBN	1	
300 TOW FITTING ATTACH BOLT	1321S	NBNE	NBN	0	
300 AXLE	1321T	NBNF	NBN	A	
300 STRUT	13211	NBNG	NBN	1	
300 PISTON	13212	NBNH	NBN	0	
300 LINK DRAG	13213	NBNJ	NBN	8	
300 DISCONNECT PIN	13214	NBNK	NBN	0	
300 FILLER VALVE	13216	NBNL	NBN	0	
300 SIDE STRUT	13217	NBNM	NBN	8	
300 BEARING NOSE	13710	NBNV	NBN	8	
300 NOSE WHEEL	13712	NBNP	NBN	2	
300 NOSE TIRE	13722	NBNQ	NBN	2	
300 GEAR RETRACT ATTENUATION		NC	N		111111111
300 GEAR RETRACT		NCA	NC		010000000
300 M/G RETRACT		NCC	NCA		AAAAA AAAA
300 M/G DOORS UP AND LOCKED		NCC	NCC		111111111
300 M/G DOOR	11270	NCCA	NCC	1	
300 SUPPORTS	1127B	NCCB	NCC	8	
300 FITTING ASSY	1127C	NCCC	NCC	1	
300 BUMPER	1127E	NCCD	NCC	0	

PG005.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

0000 123456789011111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890
301 FRAME DOOR ASSY 11271 NCCF NCC 1
302 ROD ASSY 11273 NCCF NCC 1
303 TORQUE TUBE 11275 NCCG NCC 8
304 LOCK MECHANISM 11276 NCCH NCC 4
305 UNLOCK BRAKE ENGAGED 11277 NCD NCC 8
306 UNLOCK 1311F NCDA NCC 8
307 FRICTION WASHER 1311P NCDB NCC 8
308 RETRACT BRAKE-MANUAL GRBOX 1311S NCCD NCC 8
309 BRAKE ASSY-MLG RETRACTION 1311L NCCD NCC 8
310 UPPER BUMPER STOP 1311J NCDF NCC 0
311 NORMAL RETRACT 1311I NCF NCC 111111111
312 RETRACT BRAKE-MANUAL GRBOX 1311S NCE NCC 8
313 RETRACT MECHANISM BRACKET 1311U NCFB NCC 0
314 MLG UP ACTUATION 1311V NCF NCC 8
315 RELIEF VALVE 1312A NCFA NCF 3
316 RELIEF VALVE 1312B NCFB NCF 2
317 B NUT 1312C NCFD NCF 1
318 HOSE 1312E NCFD NCF 1
319 SWIVEL JOINT 1312G NCFE NCF 1
320 SHUTOFF VALVE 1312J NCFE NCF 8
321 ACTUATING MOTOR 1312I NCFE NCF 4
322 RESTRICTOR 13122 NCFH NCF 0
323 FLOW REGULATOR 13124 NCFJ NCF 2
324 SHUTTLE VALVE 13125 NCFK NCF 1
325 CONTROL VALVE 13126 NCFL NCF 8
326 EMERGENCY RETRACT 13127 NCG NCC 8
327 RETRACT BRAKE-MANUAL GRBOX 1311S NCGA NCC 8
328 MANUAL RELEASE CABLE 13110 NCGB NCC 4
329 DUMP VALVE 13127 NCGC NCC 8
330 PULLEY 1361A NCGD NCC 8
331 MAIN GEAR MAN EXT DRIVE 13610 NCGE NCC 8
332 MAN GEARBOX RELEASE HANDLE 13612 NCGF NCC 4
333 MANUAL RELEASE CABLE 13613 NCGG NCC 4
334 STOP SHAFT 13614 NCGH NCC 4
335 TORQUE TUBE 13615 NCGJ NCC 4
336 FILTER BOX 13616 NCGK NCC 0
337 BRACKET 13617 NCGL NCC 0
338 BRAKE BLOCK 13618 NCGM NCC 8
339 UNLOCK RELEASED 1311E NCH NCC 8
340 TORQUE STRUT 1311F NCHA NCH 4
341 DOWN LOCK 1311G NCHB NCH 4
342 LOWER BUMPER STOP 1311K NCHC NCH 0
343 MLG UP ACTUATION 1311I NCJ NCC 8
344 UPPER SHOE ASSY 1311A NCJA NCJ 1
345 LOWER SHOE ASSY 1311R NCJB NCJ 1
346 TRACK ASSY RIGHT 1311C NCJC NCJ 8
347 TRACK ASSY LEFT 1311D NCJD NCJ 8
348 AIR FILLER VALVE 1311H NCJE NCJ 0
349 DRAG PIN 1311L NCJF NCJ 8
350 GEARBOX 1311M NCJG NCJ 8

```


PG6095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

000000000111111111122222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890

30E BALL	1311N	NCJH	NCJ	8
30E BELLCRANK ASSY SNUBBER	1311F	NCJJ	NCJ	8
30E TRUNNION	1311S	NCJK	NCJ	A
30E CLUTCH	1311T	NCJL	NCJ	1
30E BALL SCREW ASSY	1311V	NCJM	NCJ	8
30E TORQUE BOLT	1311W	NCJN	NCJ	8
30E JACK SCREW	1311X	NCJP	NCJ	A
30E SCREW BRAKE	1311Y	NCJQ	NCJ	1
30E DRAG PIN BUSHING	1311Z	NCJR	NCJ	1
30E STRUT	13111	NCJS	NCJ	8
30E PISTON	13112	NCJT	NCJ	8
30E HORIZONTAL TORQUE TUBE	13113	NCJU	NCJ	A
30E VERTICAL TORQUE TUBE	13114	NCJV	NCJ	A
30E UPPER SWIVEL BRACKET	13116	NCJW	NCJ	8
30E SHELF BRACKET	13117	NCJX	NCJ	0
30E CHINE ANGLE	13118	NCJY	NCJ	8
30E GEAR RETRACT CONTROL		NCK	NCA	AAAAAAAAAA
30E SELECTOR VALVE	13128	NCKA	NCK	A
30E CONTROL UNIT UP-DOWN	13311	NCKB	NCK	A
30E NLG RETRACT		NCL	NCA	AAAAAAAAAA
30E UNLOCK ENGAGED		NCL	NCL	AAAAAAAAAA
30E UNLOCK	1321F	NCLM	NCL	A
30E UNLOCK CYLINDER	13222	NCLM	NCL	8
30E NLG DOORS UP AND LOCKED		NCL	NCL	111111111
30E SUPPORT	1128B	NCNA	NCN	8
30E BUMPER	1128F	NCNB	NCN	0
30E ROD ASSY BEARING	1128F	NCNC	NCN	1
30E FRAME DOOR ASSY	11281	NCND	NCN	1
30E ROD ASSY	11283	NCNE	NCN	8
30E TORQUE TUBE	11285	NCNF	NCN	8
30E LOCK MECHANISM	11286	NCNG	NCN	A
30E NLG UP ACTUATE		NCP	NCL	AAAAAAAAAA
30E SHUT-OFF VALVE	13228	NCPA	NCP	8
30E CYLINDER ACTUATOR	13221	NCPB	NCP	A
30E PRESSURE REDUCER VALVE	13224	NCPD	NCP	8
30E RELIEF VALVE	13225	NCPD	NCP	2
30E RESTRICTOR	13226	NCPD	NCP	0
30E CHECK VALVE	13227	NCPD	NCP	1
30E SHUTTLE VALVE	13228	NCPD	NCP	2
30E NLG UP ACTIVATE		NCO	NCL	AAAAAAAAAA
30E BEARING ANTI FRICTION	13210	NCQA	NCO	8
30E PUSHING	1321E	NCQB	NCO	1
30E NG CRANK	1321H	NCQC	NCO	8
30E TRUNNION	1321R	NCQD	NCO	8
30E FULCRUM	1321S	NCQE	NCO	8
30E BRACE ASSY DRAG	1321N	NCQF	NCO	8
30E DOWNLOCK RELEASE		NCR	NCL	AAAAAAAAAA
30E DOWNLOCK	1321G	NCRB	NCR	A
30E DOWNLOCK CYLINDER	13223	NCRB	NCR	8
30E HYDRAULIC ATTENUATION NO1		NHX	N	8010000010

PGG095.J181 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

00000000111111112222222233333333444444445555555566666666777777778
1234567890123456789012345678901234567890123456789012345678901234567890
30E HYDRAULIC ATTENUATION NU2      NHY      NHX      S111111111
30E L-H AC BUS                     UAA      BCA      111111111
30E BUS TIE NO 1                   UAAA     K UAM     AAAAAA
30E RELAY BUS TIE                  4221R    UAAAA      A
30E CONTACTOR LINE                42215    UAAAB      A
30E WIRING                        42812    UAAV       1
30E CIRCUIT BKRS                  42811    UAAW       1
30E WIRING                        42323    UAAX       1
30E MAIN DISTRIBUTION BOX         42322    UAAY       1
30E JUNCTION BOX                  42321    UAAZ       1
30E ESSENTIAL 115 VAC             UAB      BRG      FAAAAA
30E ESSENTIAL 115 VAC             UAB      BRH      AAAAAA
30E ESSENTIAL AC BUS              UAB      BCA      F11111111
30E ESSENTIAL AC BUS              UAB      CABA     S11111111
30E ESSENTIAL AC BUS              UAB      CABF     FAAAAA
30E ESSENTIAL AC BUS              UAB      CARL     FAAAAA
30E ESSENTIAL AC BUS              UAB      CB       AAAAAA
30E ESSENTIAL AC BUS              UAB      CCA      S33333333
30E ESSENTIAL AC BUS              UAB      CDDA     FAAAAA
30E ESSENTIAL AC BUS              UAB      CDDO     FAAAAA
30E ESSENTIAL AC BUS              UAB      CCDE     FAAAAA
30E ESSENTIAL AC BUS              UAB      CDDJ     FAAAAA
30E ESSENTIAL AC BUS              UAB      CDDL     FAAAAA
30E ESSENTIAL AC BUS              UAB      CDDN     FAAAAA
30E ESS AC BUS                    UAB      CDDO     FAAAAA
30E ESSENTIAL AC BUS              UAB      CCE      FAAAAA
30E ESSENTIAL AC BUS              UAB      CCFD     FAAAAA
30E ESSENTIAL AC BUS              UAB      DABJ     AAAAAA
30E ESSENTIAL AC BUS              UAB      DAFR     FAAAAA
30E ESSENTIAL AC BUS              UAB      FBF      AAAAAA
30E ESSENTIAL AC BUS              UAB      FRV      FAAAAA
30E ESSENTIAL AC BUS              UAB      FCK      AAAAAA
30E ESSENTIAL AC BUS              UAB      FCD      FAAAAA
30E ESSENTIAL AC                  UAB      FDM      FAAAAA
30E ESSENTIAL AC                  UAB      FDT      AAAAAA
30E ESSENTIAL AC BUS              UAB      UAR      UDW F11111111
30E ESSENTIAL AC BUS              UAB      UAS      UDQ F11111111
30E ESSENTIAL AC BUS              UAB      UDM      FAAAAA
30E ESSENTIAL AC BUS              UAB      UDN      FAAAAA
30E ESSENTIAL AC BUS              UAB      UHAC     AAAAAA
30E ESSENTIAL AC BUS              UAB      UHBC     AAAAAA
30E ESSENTIAL AC BUS              UAB      UHCF     AAAAAA
30E BUS TIE NO 2                   UARA     K UAN     AAAAAA
30E RELAY BUS TIE                  4221R    UABAA      A
30E CONTACTOR LINE                42215    UABAB      A
30E BUS TIE NO 2A                  UAB      K UAM     AAAAAA
30E RELAY BUS TIE                  4221R    UABBA      A
30E CONTACTOR LINE                42215    UABBB      A
30E BUS TIE NO 2R                  UAB      K UAP     AAAAAA
30E RELAY BUS TIE                  4221R    UABCA      A

```

PG0095.JIR1 DATE = 08/17/75

FLIGHT SAFETY PREDICTION TECHNIQUE

```

00000000011111111122222222233333333334444444445555555556666666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890
30F CONTACTOR LINE 42215 UARCH UARC A
30F AC POWER DISTRIBUTL UARD UAZ 111111111
30F MAIN DISTRIBUTION BOX 42322 UARJ UAR 1
30F WIRING 42812 UARV UAR 1
30F CIRCUIT BKRS 42811 UABW UAB 1
30F WIRING 42323 UABX UAB 1
30F JUNCTION BOX 42321 UAPZ UAB 1
30F MAIN AC BUS UAC RCA 111111111
30F MAIN AC BUS UAC CAAA AAAAAAAAAA
30F MAIN AC BUS UAC CABL AAAAAAAAAA
30F MAIN AC BUS UAC CCB S111111111
30F MAIN AC BUS UAC CCBP FAAAAAAAAA
30F MAIN AC BUS UAC CCBG FAAAAAAAAA
30F MAIN AC BUS UAC CCBM FAAAAAAAAA
30F MAIN AC BUS UAC CCBP FAAAAAAAAA
30F MAIN AC BUS UAC CABA AAAAAAAAAA
30F MAIN AC BUS UAC UDK FAAAAAAAAA
30F MAIN AC BUS UAC UDL FAAAAAAAAA
30F BUS TIE NO 3 UACA UAC K UAP AAAAAAAAAA
30F RELAY BUS TIE 42218 UACAA UACA A
30F CONTACTOR LINE 42215 UACAB UACA A
30F BUS TIE NO 3A UACB UACA K UAO AAAAAAAAAA
30F RELAY BUS TIE 42218 UACBA UACB A
30F CONTACTOR LINE 42215 UACBB UACB A
30F WIRING 42812 UACV UAC 1
30F CIRCUIT BKRS 42811 UACW UAC 1
30F WIRING 42323 UACX UAC 1
30F MAIN DISTRIBUTION BOX 42322 UACY UAC 1
30F JUNCTION BOX 42321 UACZ UAC 1
30F R-H AC BUS UAD RCA 111111111
30F BUS TIE NO 4 UADA UAD K UAO AAAAAAAAAA
30F RELAY BUS TIE 42218 UADAA UADA A
30F CONTACTOR LINE 42215 UADAB UADA A
30F WIRING 42812 UADV UAD 1
30F CIRCUIT BKRS 42811 UADW UAD 1
30F WIRING 42323 UADX UAD 1
30F MAIN DISTRIBUTION BOX 42322 UADY UAD 1
30F JUNCTION BOX 42321 UADZ UAD 1
30F GENERATOR NO.1 UAA 5 UAX AAAAAAAAAA
30F GENERATOR NO.1 UAB UA39 F111111111
30F GENERATOR NO.1 UAC 4 UAX SAAAAAAAAA
30F GENERATOR NO.1 UAD 4 UAX SAAAAAAAAA
30F GENERATOR NO.1 UAB K UAN FAAAAAAAAA
30F GENERATOR NO.1 UAD 5 UAX SAAAAAAAAA
30F GENERATOR NO.1 UAA K UAP FAAAAAAAAA
30F GENERATOR ASSY 42210 UAMA UAM A
30F HOUSING 42210 UAMB UAM 0
30F TERMINAL-BLOCK 42210 UAMC UAM 0
30F TERMINAL-COVER 42210 UAMD UAM 0
30F GENERATOR STUB SHAFT 42210 UAME UAM A

```


PGG095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

00000000111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890

30E COMMUTATOR	4221J	UAMF	UAM	A
30E MOUNTING FLANGE	4221K	UAMG	UAM	1
30E GENERATOR LEADS	4221L	UAMH	UAM	A
30E GENERATOR DISCONNECT	4221M	UAMJ	UAM	B
30E BRUSHES GEN AC	4221N	UAMK	UAM	A
30E LOADMETER *AMMETER< GEN	42621	UAML	UAM	0
30E TRANSFORMER-GEN LOADMETER	42622	UAMP	UAM	0
30E SWITCH-PHASE SELECTOR	42623	UAMO	UAM	0
30E METER FREQUENCY	42624	UAMR	UAM	0
30E METER FREQUENCY	42624	UAMR	UAM	0
30E METER FREQUENCY	42624	UAMR	UAM	0
30E METER FREQUENCY	42624	UAMR	UAM	0
30E METER FREQUENCY	42624	UAMR	UAM	0
30E METER FREQUENCY	42624	UAMR	UAM	0
30E METER FREQUENCY	42624	UAMR	UAM	0
30E VOLTMETER	42625	UAMS	UAM	0
30E VOLTMETER	42625	UAMS	UAM	0
30E VOLTMETER	42625	UAMS	UAM	0
30E VOLTMETER	42625	UAMS	UAM	0
30E VOLTMETER	42625	UAMS	UAM	0
30E VOLTMETER	42625	UAMS	UAM	0
30E VOLTMETER	42625	UAMS	UAM	0
30E VOLTMETER	42625	UAMS	UAM	0
30E GENERATOR CONTROL		UAMX	UAM	AAAAAAAAA
30E CONTROL PANEL	42212	UAMXA	UAMX	A
30E RELAY FREQ SENSITIVE	42214	UAMXB	UAMX	A
30E SWITCH CONTROL	42217	UAMXC	UAMX	A
30E VOLTAGE REGULATION		UAMY	UAM	AAAAAAAAA
30E LIMITER CURRENT	4221A	UAMYA	UAMY	A
30E TRANSFORMER DIFF CURRENT	42211	UAMYB	UAMY	A
30E REGULATOR VOLTAGE	42213	UAMYC	UAMY	A
30E RECTIFIER CONTROL	42216	UAMYD	UAMY	A
30E GENERATOR COOLING		UAMZ	UAM	AAAAAAAAA
30E BLAST TUBE-COOLING SHROUD	4221H	UAMZA	UAMZ	A
30E GENERATOR NO.2		UAN	UAA	5 UAX SAAAAAAAAA
30E GENERATOR NO.2		UAN	UAAA	UAA F11111111
30E GENERATOR NO.2		UAN	UABD	4 UAX AAAAAAAAAA
30E GENERATOR NO.2		UAN	UAC	4 UAX SAAAAAAAAA
30E GENERATOR NO.2		UAN	UACH	UAM F11111111
30E GENERATOR NO.2		UAN	UAD	5 UAX SAAAAAAAAA
30E GENERATOR ASSY	4221C	UANA	UAN	A
30E HOUSING	4221D	UANAR	UAN	0
30E TERMINAL BLOCK	4221E	UANAC	UAN	0
30E TERMINAL COVER	4221F	UANAD	UAN	0
30E GENERATOR STUB SHAFT	4221G	UANE	UAN	A
30E COMMUTATOR	4221J	UANEF	UAN	A
30E MOUNTING FLANGE	4221K	UANEH	UAN	1
30E GENERATOR LEADS	4221L	UANEH	UAN	A
30E GENERATOR DISCONNECT	4221M	UANEJ	UAN	B
30E BRUSHES GEN AC	4221N	UANK	UAN	A
30E LOADMETER *AMMETER< GEN	42621	UANL	UAN	0

PGG095.J191 DATE = 03/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

0000000001111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890

30F TRANSFORMER-GEN LOADMETER	42612	UANP	UAN	0
30F SWITCH-PHASE SELECTOR	42623	UANQ	UAN	0
30F GENERATOR CONTROL		UANX	UAN	AAAAAAAA
30F CONTROL PANEL	42212	UANXA	UANX	A
30F RELAY FREQ SENSITIVE	42214	UANXB	UANX	A
30F SWITCH CONTROL	42217	UANXC	UANX	A
30F VOLTAGE REGULATION		UANY	UAN	AAAAAAAA
30F LIMITER CURRENT	42215	UANYA	UANY	A
30F TRANSFORMER DIFF CURRENT	42211	UANYB	UANY	A
30F REGULATOR VOLTAGE	42213	UANYC	UANY	A
30F RECTIFIER CONTROL	42216	UANYD	UANY	A
30F GENERATOR COOLING		UANZ	UAN	AAAAAAAA
30F BLAST TUBE-COOLING SHROUD	4221H	UANZA	UANZ	A
30F GENERATOR NO 3		UAP	UAA	5 UAX SAAAAAAAAA
30F GENERATOR NO 3		UAP	UABR	UABC F11111111
30F GENERATOR NO 3		UAP	UABD	4 UAX SAAAAAAAAA
30F GENERATOR NO 3		UAP	UAC	4 UAX AAAAAAAAAA
30F GENERATOR NO 3		UAP	UAD	5 UAX SAAAAAAAAA
30F GENERATOR NO 3		UAP	UADA	UAM F11111111
30F GENERATOR ASSY	4221C	UAPA	UAP	A
30F HOUSING	4221D	UAPB	UAP	0
30F TERMINAL BLOCK	4221E	UAPC	UAP	0
30F TERMINAL COVER	4221F	UAPD	UAP	0
30F GENERATOR STUB SHAFT	4221G	UAPE	UAP	A
30F COMMUTATOR	4221J	UAPF	UAP	A
30F MOUNTING FLANGE	4221K	UAPG	UAP	1
30F GENERATOR LEADS	4221L	UAPH	UAP	A
30F GENERATOR DISCONNECT	4221M	UAPJ	UAP	8
30F BRUSHES GEN AC	4221R	UAPK	UAP	A
30F LOADMETER 3AMMETER GEN	42621	UAPL	UAP	0
30F TRANSFORMER-GEN LOADMETER	42622	UAPP	UAP	0
30F SWITCH-PHASE SELECTOR	42623	UAPQ	UAP	0
30F GENERATOR CONTROL		UAPX	UAP	AAAAAAAA
30F CONTROL PANEL	42212	UAPXA	UAPX	A
30F RELAY FREQ SENSITIVE	42214	UAPXB	UAPX	A
30F SWITCH CONTROL	42217	UAPXC	UAPX	A
30F VOLTAGE REGULATION		UAPY	UAP	AAAAAAAA
30F LIMITER CURRENT	42215	UAPYA	UAPY	A
30F TRANSFORMER DIFF CURRENT	42211	UAPYB	UAPY	A
30F REGULATOR VOLTAGE	42213	UAPYC	UAPY	A
30F RECTIFIER CONTROL	42216	UAPYD	UAPY	A
30F GENERATOR COOLING		UAPZ	UAP	AAAAAAAA
30F BLAST TUBE COOLING SHROUD	4221H	UAPZA	UAPZ	A
30F GENERATOR NO 4		UAQ	UAA	5 UAX SAAAAAAAAA
30F GENERATOR NO 4		UAQ	UAAA	K UAN FAAAAAAAAA
30F GENERATOR NO 4		UAQ	UABC	UAZ F11111111
30F GENERATOR NO 4		UAQ	UABD	4 UAX SAAAAAAAAA
30F GENERATOR NO 4		UAQ	UAC	4 UAX SAAAAAAAAA
30F GENERATOR NO 4		UAQ	UACA	UACH F11111111
30F GENERATOR NO 4		UAQ	UAD	5 UAX AAAAAAAAAA

PG0095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

000000001111111122222222333333333344444444555555556666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890
30E GEN NO. 4 -GEN PATH TRACER          UAQ          UAX          SAAAAAAAAA
30E GENERATOR ASSY                      4221C          UAQA          UAQ          A
30E HOUSING                             4221D          UAQB          UAQ          0
30E TERMINAL BLOCK                      4221F          UAQC          UAQ          0
30E TERMINAL COVER                      4221F          UAQD          UAQ          0
30E GENERATOR STUB SHAFT                4221G          UAQE          UAQ          A
30E COMMUTATOR                          4221J          UAQF          UAQ          A
30E MOUNTING FLANGE                     4221K          UAQG          UAQ          1
30E GENERATOR LEADS                     4221L          UAQH          UAQ          A
30E GENERATOR DISCONNECT                4221M          UAQJ          UAQ          B
30E BRUSHES GEN AC                      42218          UAQK          UAQ          A
30E LOADMETER & METER< GEN              42621          UAQL          UAQ          0
30E TRANSFORMER-GEN LOADMETER           42622          UAQP          UAQ          0
30E SWITCH-PHASE SELECTOR               42623          UAQQ          UAQ          0
30E GENERATOR CONTROL                   UAQX          UAQ          AAAAAAAAAA
30E CONTROL PANEL                      42212          UAQXA          UAQX          A
30E RELAY FREQ SENSITIVE                 42214          UAQXB          UAQX          A
30E SWITCH CONTROL                      42217          UAQXC          UAQX          A
30E VOLTAGE REGULATION                   UAQY          UAQ          AAAAAAAAAA
30E LIMITER CURRENT                     4221A          UAQYA          UAQY          A
30E TRANSFORMER DIFF CURRENT             4221I          UAQYB          UAQY          A
30E REGULATOR VOLTAGE                   42213          UAQYC          UAQY          A
30E RECTIFIER CONTROL                   42216          UAQYD          UAQY          A
30E GENERATOR COOLING                     UAQZ          UAQ          AAAAAAAAAA
30E BLAST TUBE-COOLING SHROUD           4221H          UAQZA          UAQZ          A
30E COPILOT INV BUS                     UAR          CDDG          AAAAAAAAAA
30E JUNCTION BOX                        42321          UARA          UAR          1
30E MAIN DISTRIBUTION BOX                42322          UARB          UAR          1
30E WIRING                              42323          UARC          UAR          1
30E FAILURE LIGHT RELAY                  42324          UARD          UAR          1
30E WIRING                              42811          UARE          UAR          1
30E CIRCUIT BKRS                        42812          UARF          UAR          1
30E AC INST/FUEL CNTRL BUS               UAS          EAP          FAAAAAAAAA
30E AC INST/FUEL CNTRL BUS               UAS          RAT          33333333
30E ENG INST/FUEL CNTR AC BUS            UAS          RCJ          FAAAAAAAAA
30E AC INST/FUEL CNTRL BUS               UAS          RED          FAAAAAAAAA
30E AC INST/FUEL CNTRL BUS               UAS          BEH          FAAAAAAAAA
30E 115V AC                             UAS          EDL          00000000
30E AC INST : FUEL CONTROL BUS            UAS          UAT          AAAAAAAAAA
30E AC INST : FUEL CONTROL BUS            UAS          UAV          AAAAAAAAAA
30E JUNCTION BOX                        42321          UASA          UAS          1
30E MAIN DISTRIBUTION BOX                42322          UASB          UAS          1
30E WIRING                              42323          UASC          UAS          1
30E CIRCUIT BKRS                        42811          UASD          UAS          1
30E WIRING                              42812          UASE          UAS          1
30E 26 VOLT AC                          UAT          GAGH          AAAAAAAAAA
30E 26 VOLT AC                          UAT          GAGM          FAAAAAAAAA
30E 26V AC                              UAT          GAJA          FAAAAAAAAA
30E 26VAC BUS NO 1                      UAT          UHJ          AAAAAAAAAA
30E AC POWER                            UAU          ECF          AAAAAAAAAA

```


PG0095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

000000001111111122222222333333333344444444555555556666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890
30E EXTERNAL AC POWER          UAU          UAA          000000000
30E EXTERNAL AC POWER          UAU          UAB          000000000
30E EXTERNAL AC POWER          UAU          UAC          000000000
30E EXTERNAL AC POWER          UAU          UAD          000000000
30E SWITCH CONTROL              4223A      UAUA         UAU          A
30E RECEPTACLE                42231      UAUR         UAU          1
30E RELAY INTERLOCK             42232      UAUC         UAU          A
30E RECTIFIER CONTROL           42233      UAUD         UAU          A
30E RELAY-PHASE SEQUENCE        42234      UAUE         UAU          A
30E TRANSFORMER CONTROL         42235      UAUF         UAU          A
30E RELAY-BUS TIE               42236      UAUG         UAU          A
30E RELAY-CONTROL               42237      UAUH         UAU          A
30E CIRCUIT BUR                 42238      UAUI         UAU          1
30E 260V AC BUS NO 2           UAV          FBJ          111111111
30E 260V AC BUS NO 2           UAV          FBL          FAAAAAAAAAA
30E 26VAC BUS NO 2             UAV          UHE          AAAAAAAAAAA
30E FIDU ONLY- NO. GEN FAILED  UAX          UAX          FAAAAAAAAAA
30E AIR TURBINE MOTOR-GEN      UAZ          UAB          7 UAX      SAAAAAAAAAA
30E AIR TURBINE MOTOR-GEN      UAZ          UABC         K UAZ      FAAAAAAAAAA
30E SWITCH CONTROL              4222A      UAZA         UAZ          A
30E GENERATOR ASSY              4222B      UAZB         UAZ          2
30E ATM GEN LEADS               4222C      UAZC         UAZ          A
30E TRANSFORMER DIFF LEADS     42221      UAZD         UAZ          1
30E RECTIFIER CONTROL           42222      UAZE         UAZ          A
30E RELAY FREQ SENSITIVE        42223      UAZF         UAZ          A
30E CONTROL PANEL              42224      UAZG         UAZ          2
30E REGULATOR VOLTAGE          42225      UAZH         UAZ          A
30E RELAY BUS TIE               42226      UAZJ         UAZ          A
30E LIMITER CURRENT             42228      UAZK         UAZ          A
30E LOADMETER & METER GEN       42621      UAZL         UAZ          0
30E TRANSFORMER-GEN LOADMETER  42622      UAZM         UAZ          0
30E SWITCH-PHASE SELECTOR       42623      UAZN         UAZ          0
30E ESSENTIAL DC                UDA          BBG          FAAAAAAAAAA
30E ESSENTIAL DC                UDA          BRH          555555555
30E ESSENTIAL DC                UDA          BFA          FAAAAAAAAAA
30E ESSENTIAL DC                UDA          BRN          FAAAAAAAAAA
30E ESSENTIAL DC BUS            UDA          BCA          FAAAAAAAAAA
30E ESSENTIAL DC                UDA          BUD          FAAAAAAAAAA
30E ESSENTIAL DC                UDA          REC          FAAAAAAAAAA
30E ESSENTIAL DC                UDA          BEE          FAAAAAAAAAA
30E ESSENTIAL DC                UDA          BEG          FAAAAAAAAAA
30E ESSENTIAL DC                UDA          BEJ          FAAAAAAAAAA
30E ESSENTIAL DC                UDA          BEC          FAAAAAAAAAA
30E ESSENTIAL DC                UDA          BKA          FAAAAAAAAAA
30E ESSENTIAL DC                UDA          BNR          FAAAAAAAAAA
30E ESSENTIAL DC BUS            UDA          CABG         S22222222
30E ESSENTIAL DC BUS            UDA          CABR          FAAAAAAAAAA
30E ESSENTIAL DC BUS            UDA          CAFE          FAAAAAAAAAA
30E ESSENTIAL DC BUS            UDA          CARL          FAAAAAAAAAA
30E ESSENTIAL DC BUS            UDA          CR           AAAAAAAAAAA

```

PGG095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

0000000001111111112222222222333333333344444444445555555555666666666677777777778
 12345678901234567890123456789012345678901234567890123456789012345678901234567890

30E ESSENTIAL DC BUS	UDA	CCA	S333333333
30E ESSENTIAL DC BUS	UDA	CCDA	FAAAAAAAAAA
30E ESSENTIAL DC BUS	UDA	CCDD	FAAAAAAAAAA
30E ESSENTIAL DC BUS	UDA	CCDE	FAAAAAAAAAA
30E ESSENTIAL DC BUS	UDA	CCDH	FAAAAAAAAAA
30E ESSENTIAL DC BUS	UDA	CCDJ	FAAAAAAAAAA
30E ESSENTIAL DC BUS	UDA	CCDL	FAAAAAAAAAA
30E ESSENTIAL DC BUS	UDA	CCDN	FAAAAAAAAAA
30E ESSENTIAL DC BUS	UDA	CCE	FAAAAAAAAAA
30E ESSENTIAL DC BUS	UDA	CCFD	FAAAAAAAAAA
30E ESSENTIAL DC BUS	UDA	CCFE	FAAAAAAAAAA
30E ESSENTIAL DC BUS	UDA	DABA	AAAAAAAAAAA
30E ESSENTIAL DC BUS	UDA	DAFB	FAAAAAAAAAA
30E ESSENTIAL DC BUS	UDA	DALA	FAAAAAAAAAA
30E ESSENTIAL DC BUS	UDA	DBA	AAAAAAAAAAA
30E ESS DC	UDA	EAC	AAAAAAAAAAA
30E ESS DC	UDA	EAD	AAAAAAAAAAA
30E ESS DC	UDA	EAGA	AAAAAAAAAAA
30E 28V ESS	UDA	ECG	1111111111
30E ESS DC	UDA	EDAA	AAAAAAAAAAA
30E ESS DC	UDA	EDBR	FAAAAAAAAAA
30E ESS DC	UDA	EDBC	FAAAAAAAAAA
30E ESSENTIAL DC	UDA	FAK	AAAAAAAAAAA
30E ESSENTIAL DC BUS	UDA	FBC	1111111111
30E ESSENTIAL DC BUS	UDA	FBV	FAAAAAAAAAA
30E ESSENTIAL DC BUS	UDA	FCD	FAAAAAAAAAA
30E ESSENTIAL DC BUS	UDA	FCL	AAAAAAAAAAA
30E ESSENTIAL DC BUS	UDA	FCQ	FAAAAAAAAAA
30E ESSENTIAL DC	UDA	FDC	FAAAAAAAAAA
30E ESSENTIAL DC	UDA	EDM	FAAAAAAAAAA
30E ESSENTIAL DC	UDA	FDT	AAAAAAAAAAA
30E 28V ESS DC BUS	UDA	GAGA	0000000000
30E ESSENTIAL DC	UDA	NAL	AAAAAAAAAAA
30E ESSENTIAL DC	UDA	NCK	AAAAAAAAAAA
30E ESSENTIAL DC BUS	UDA	UDF	AAAAAAAAAAA
30E ESSENTIAL DC BUS	UDA	UDQ	AAAAAAAAAAA
30E ESSENTIAL DC BUS	UDA	UHAA	0000000000
30E ESSENTIAL DC BUS	UDA	UHAB	FAAAAAAAAAA
30E ESSENTIAL DC BUS	UDA	UHAC	AAAAAAAAAAA
30E ESSENTIAL DC BUS	UDA	UHBA	0000000000
30E ESSENTIAL DC BUS	UDA	UHBB	FAAAAAAAAAA
30E ESSENTIAL DC BUS	UDA	UHBC	AAAAAAAAAAA
30E ESSENTIAL DC BUS	UDA	UHCF	AAAAAAAAAAA
30E ESSENTIAL DC BUS	UDA	UHD	FAAAAAAAAAA
30E ESSENTIAL DC BUS	UDA	UHE	FAAAAAAAAAA
30E JUNCTION BOX	42311 UDAA	UDA	1
30E MAIN DISTRIBUTION BOX	42312 UDAB	UDA	1
30E WIRING	42313 UDAC	UDA	1
30E CIRCUIT BKRS	42811 UDAD	UDA	1
30E WIRING	42812 UDAE	UDA	1

PGG095.J1R1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

000000000111111112222222233333333334444444445555555556666666667777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890

30E VOLTMETER	42613	UDAF	UDA	0
30E VOLTMETER	42613	UDAF	UDB	0
30E VOLTMETER	42613	UDAF	UDC	0
30E SELECTOR-VOLTMETER	42614	UDAG	UDA	0
30E BATTERY BUS		UDB	DBC	AAAAAAAAAA
30E BATTERY BUS		UDB	EAD	A0000000A
30E BATTERY BUS		UDR	EDBC	AAAAAAAAAA
30E BATTERY BUS		UDB	UDE	AAAAAAAAAA
30E SELECTOR-VOLTMETER	42614	UDBB	UDR	0
30E MAIN DC BUS		UDC	HCA	111111111
30E MAIN DC BUS		UDC	BCQ	FAAAAAAAAAA
30E MAIN DC BUS		UDC	CABL	AAAAAAAAAA
30E MAIN DC BUS		UDC	CCD	111111111
30E MAIN DC BUS		UDC	CCDB	FAAAAAAAAAA
30E MAIN DC BUS		UDC	CCDC	FAAAAAAAAAA
30E MAIN DC BUS		UDC	CCDG	FAAAAAAAAAA
30E MAIN DC BUS		UDC	CCDM	FAAAAAAAAAA
30E		UDC	CCF	111111111
30E MAIN DC BUS		UDC	CCFA	FAAAAAAAAAA
30E MAIN DC BUS		UDC	CCFC	FAAAAAAAAAA
30E MAIN DC BUS		UDC	DBB	AAAAAAAAAA
30E MAIN DC BUS		UDC	DD	AAAAAAAAAA
30E MAIN DC COPILOTS CRCT		UDC	EAC	AAAAAAAAAA
30E MAIN DC		UDC	EAD	AAAAAAAAAA
30E MAIN DC		UDC	EAGD	AAAAAAAAAA
30E MAIN DC		UDC	EBE	AAAAAAAAAA
30E 28V DC MAIN		UDC	ECR	AAAAAAAAAA
30E 28V MAIN DC		UDC	EDT	AAAAAAAAAA
30E MAIN 28V DC		UDC	FAJ	AAAAAAAAAA
30E MAIN DC		UDC	FBF	AAAAAAAAAA
30E AFT FUS BUS 28VDC		UDC	FCN	AAAAAAAAAA
30E 28VDC		UDC	FDU	AAAAAAAAAA
30E 28V MAIN DC BUS		UDC	GAJ	FAAAAAAAAAA
30E MAIN DC BUS		UDC	MABF	AAAAAAAAAA
30E MAIN DC BUS		UDC	UDG	AAAAAAAAAA
30E JUNCTION BOX	42311	UDCA	UDC	1
30E MAIN DISTRIBUTION BOX	42312	UDCB	UDC	1
30E WIRING	42313	UDCC	UDC	1
30E CIRCUIT BKRS	42811	UDCD	UDC	1
30E WIRING	42812	UDCE	UDC	1
30E SELECTOR-VOLTMETER	42614	UDCG	UDC	0
30E ISOLATED 28VDC		UDE	RLB	AAAAAAAAAA
30E ISOLATED DC BUS		UDE	CABR	AAAAAAAAAA
30E ISOLATED DC BUS		UDE	DALA	AAAAAAAAAA
30E ISOLATED DC BUS		UDE	EAC	AAAAAAAAAA
30E 28V ISOLATED BUS		UDE	GAK	000000000
30E ISOLATED DC BUS		UDE	UDW	AAAAAAAAAA
30E JUNCTION BOX	42311	UDEA	UDE	1
30E MAIN DISTRIBUTION BOX	42312	UDEB	UDE	1
30E WIRING	42313	UDFC	UDE	1

PG0095.J121 DATE = 02/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

0000000001111111112222222223333333334444444445555555556666666667777777778
1234567890123456789012345678901234567890123456789012345678901234567890
300 CIRCUIT BKRS 42811 UDFO UDF 1
300 WIRING 42812 UDFE UDF 1
300 BUS TIE NORMAL UDFF UDF UDB 111111111
300 CUTOUT-REVERSE CURRENT 42124 UDFA UDF A
300 BUS TIE NORMAL UDG UDA UDJ 111111111
300 CUTOUT-REVERSE CURRENT 42124 UDGA UDG A
300 ESSENTIAL DC POWER UDJ UDA K UDG AAAAAAAAA
300 TRANSFORMER-RECTIFIER # 1 UDK UDC K UDL AAAAAAAAA
300 SWITCH-SELECTOR 42152 UDKA UDK A
300 RESISTOR-BLEEDER 42153 UDKB UDK 2
300 CUTOUT-REVERSE CURRENT 42154 UDKC UDK A
300 TRANSFORMER-RECTIFIER ASSY 42155 UDKD UDK A
300 LOADMETER 42156 UDKE UDK 0
300 SHUNT-LOADMETER 42612 UDKF UDK 0
300 TRANSFORMER-RECTIFIER # 2 UDL UDC K UDK AAAAAAAAA
300 SWITCH-SELECTOR 42152 UDLA UDL A
300 RESISTOR-BLEEDER 42153 UDLB UDL 2
300 CUTOUT-REVERSE CURRENT 42154 UDLC UDL A
300 TRANSFORMER-RECTIFIER ASSY 42155 UDLD UDL A
300 LOADMETER 42156 UDLE UDL 0
300 SHUNT-LOADMETER 42612 UDLF UDL 0
300 TRANSFORMER-RECTIFIER # 3 UDM UDJ K UDN AAAAAAAAA
300 SWITCH-SELECTOR 42152 UDMA UDM A
300 RESISTOR-BLEEDER 42153 UDMB UDM 2
300 CUTOUT-REVERSE CURRENT 42154 UDMC UDM A
300 TRANSFORMER-RECTIFIER ASSY 42155 UDMD UDM A
300 LOADMETER 42156 UDME UDM 0
300 SHUNT-LOADMETER 42612 UDMF UDM 0
300 TRANSFORMER-RECTIFIER # 4 UDN UDJ K UDM AAAAAAAAA
300 SWITCH-SELECTOR 42152 UDNA UDN A
300 RESISTOR-BLEEDER 42153 UDNB UDN 2
300 CUTOUT-REVERSE CURRENT 42154 UDNC UDN A
300 TRANSFORMER-RECTIFIER ASSY 42155 UDND UDN A
300 LOADMETER 42156 UDNE UDN 0
300 SHUNT-LOADMETER 42612 UDNF UDN 0
300 BATTERY SUPPLY UDP UDB AAAAAAAAA
300 BATTERY 42134 UDPA UDP A
300 BATTERY TERMINAL 42131 UDPB UDP A
300 SUMP PAD 42130 UDPC UDP 0
300 ELBOW-DRAIN 42139 UDPD UDP 0
300 ELECTROLYTE 42131 UDPE UDP A
300 PACK 42133 UDPF UDP 0
300 JAR SUMP 42134 UDPG UDP 0
300 PACK SUMP 42135 UDPH UDP 0
300 PLUG DISCONNECT 42136 UDPJ UDP 0
300 RELAY 42137 UDPK UDP A
300 SWITCH-SELECTOR 42138 UDPL UDP A
300 INVERTER INST : FUEL CONTROL UDQ UAS K UAB AAAAAAAAA
300 INVERTER ASSY 42270 UDQA UDQ A
300 RELAY-INVERTER POWER 42271 UDQB UDQ A

```

PG0095.JIR1 DATE = 09/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

0000000011111111112222222222333333333344444444445555555555666666666677777777778
12345678901234567890123456789012345678901234567890123456789012345678901234567890

301 RELAY-POWER # 1	42272	UDQC	UDQ	A
301 RELAY-POWER # 2	42273	UDQD	UDQ	A
301 RELAY-POWER FAIL NORMAL	42274	UDQE	UDQ	0
301 RELAY-POWER FAIL STDBY	42275	UDQF	UDQ	0
301 TRANSFORMER	42276	UDQG	UDQ	A
301 SWITCH CONTROL	42278	UDQH	UDQ	A
301 FAILURE LIGHT RELAY	42324	UDQJ	UDQ	0
301 INVERTER COPILOTS INSTRUMENTS		UDQ	UAP	K UAB AAAAAAAAAA
301 INVERTER ASSY	4226A	UDWA	UDW	A
301 RELAY-FAILURE	42261	UDWB	UDW	0
301 RELAY-POWER SELECTOR	42262	UDWC	UDW	A
301 TRANSFORMER ISOLATOR	42263	UDWD	UDW	A
301 SWITCH SELECTOR	42264	UDWE	UDW	A
301 RELAY-POWER TRANSFER	42267	UDWF	UDW	A
301 TRANSFORMER-POWER	42268	UDWG	UDW	A
301 EXTERNAL DC POWER		UDX	UDC	000000000
301 RECEPTACLE	42141	UDXA	UDX	A
301 RELAY	42142	UDXB	UDX	A
301 LIMITER-CURRENT	42143	UDXC	UDX	1
301 SWITCH-SELECTOR	42144	UDXD	UDX	A
301 BOOSTER HYD POWER		UHA	FEK	AAAAAAAAAA
301 BOOSTER HYD PRESS		UHA	FCJ	AAAAAAAAAA
301 BOOSTER HYDRAULICS		UHA	FEF	AAAAAAAAAA
301 HYDRAULIC PRESSURE		UHA	UHA	AAAAAAAAAA
301 VALVE PRESSURE RELIEF	452AB	UHAAA	UHAA	5
301 A-UNIT	452AP	UHAAQ	UHAA	0
301 VALVE GROUND TEST	452AJ	UHAAE	UHAA	0
301 SUPPLY		UHAB	UHAA	AAAAAAAAAA
301 BOOST RESERVOIR	451BC	UHABA	UHAB	1
301 SUPPORT BRACKET	451BA	UHABR	UHAB	0
301 SIGHT GAUGE	451FD	UHABC	UHAB	0
301 FILTER ELEMENT	451BG	UHABD	UHAB	1
301 VALVE DRAIN	452AH	UHABE	UHAB	0
301 HOSE DRAIN	452AL	UHABG	UHAB	0
301 FILTER ELEMENT	455AA	UHABH	UHAB	1
301 VALVE DRAIN 22K	452AB	UHABJ	UHAB	0
301 VALVE RELIEF 22K	452AB	UHABK	UHAB	1
301 HOSE ASSY SUCTION	452AM	UHABL	UHAB	2
301 VALVE FIRE SHUTOFF 22ACH	452AC	UHABN	UHAB	0
301 BLEED VALVE	452AL	UHABQ	UHAB	0
301 PRIMING PRESSURIZATION		UHAC	UHAB	000000000
301 MOTOR RESERVOIR SUCTION	452AP	UHACA	UHAC	A
301 RESERVOIR SUCTION PUMP	452AF	UHACR	UHAC	A
301 SW BOOSTER ISOLATION	598AB	UHACH	UHAC	A
301 BOOST PUMP	453AH	UHACL	UHAC	A
301 COOLING		UHAD	UHAB	111111111
301 RESTRICTOR	452AF	UHADA	UHAD	0
301 FILTER ELEMENT	455AA	UHADD	UHAD	1
301 WARNING LOW PRESSURE		UHAE	UHAC	222222222
301 SW LOW PRESSURE	452AD	UHAEA	UHAE	2

PGG095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

000000001111111112222222223333333333444444444455555555566666666677777777778
1234567890123456789012345678901234567890123456789012345678901234567890
30F PRESSURIZATION #PUMP 1 3< UHAF UHAA K UHAG AAAAAAAAAA
30F PUMP ENGINE DRIVEN 1 3 452AA UHAFU UHAF A
30F VALVE CHECK 452AA UHAFU UHAF 1
30F VALVE CONTROL 452AM UHAFU UHAF A
30F FILTER ELEMENT 455AA UHAFU UHAF 1
30F QUICK DISCONNECT VALVE 452AN UHAFU UHAF 0
30F HOSE-HYD PRESSURE 453AK UHAFU UHAF A
30F PRESSURIZATION #PUMP 1 4< UHAG UHAA K UHAF AAAAAAAAAA
30F PUMP ENGINE DRIVEN 1 4 453AA UHAGA UHAG A
30F VALVE CHECK 452AA UHAGR UHAG 1
30F VALVE CONTROL 452AM UHAGD UHAG A
30F FILTER ELEMENT 455AA UHAGF UHAG 1
30F QUICK DISCONNECT VALVE 452AN UHAGG UHAG 0
30F HOSE-HYD PRESSURE 452AK UHAGH UHAG A
30F WARNING LOW PRESSURE UHAH UHAF 111111111
30F SW LOW PRESSURE 452AQ UHAHA UHAH A
30F WARNING LOW PRESSURE UHAJ UHAG 111111111
30F SW LOW PRESSURE 452AQ UHAJA UHAJ A
30F ATTENUATION SYSTEM DAMPING UHAL UHAA 111111111
30F SYSTEM DAMPING UHAM UHAL 111111111
30F ACCUMULATOR BOOST 454AB UHAMA UHAM A
30F VALVE AIR FILLER 454AF UHAMR UHAM 0
30F UTILITY HYDRAULICS UHB FAR FAAAAAAAAA
30F UTILITY HYDRAULICS UHB FAR AAAAAAAAAA
30F UTILITY HYD POWER UHR FRH AAAAAAAAAA
30F UTILITY HYD PRESS UHB FCH AAAAAAAAAA
30F UTILITY HYDRAULICS UHB FDF AAAAAAAAAA
30F UTILITY HYD SYSTEM UHB GAGA AAAAAAAAAA
30F UTILITY HYD SYSTEM UHB GRA AAAAAAAAAA
30F UTILITY HYD UHB MAE FAAAAAAAAA
30F UTILITY HYDRAULICS UHB NAO F111111111
30F UTILITY HYD UHB NCH FAAAAAAAAA
30F UTILITY HYDRAULICS UHB NPY S555555555
30F HYDRAULIC PRESSURE UHBA UHR AAAAAA AAA
30F VALVE PRESSURE RELIEF 452AB UHBAA UHBA 5
30F A-NUT 452AP UHBAG UHBA 0
30F VALVE, GROUND TEST 452AJ UHBAH UHBA 0
30F SUPPLY UHRB UHBA AAAAAAAAAA
30F UTILITY RESERVOIR 451AG UHBBA UHRB 1
30F SUPPORT BRACKET 451AA UHBBC UHRB 0
30F SIGHT GAUGE 451AD UHBBC UHRB 0
30F FILTER ELEMENT 451AG UHBBD UHRB 1
30F VALVE DRAIN #2< 452AH UHBDE UHRB 0
30F HOSE DRAIN 453AL UHBEG UHRB 0
30F CHAIN FILLER CAP 451AH UHBHH UHRB 0
30F VALVE RELIEF #2< 452AE UHBHJ UHRB 1
30F HOSE ASSY SUCTION 453AM UHBK UHRB A
30F VALVE FIRE SHUTOFF 2 EACH 452AC UHBRL UHRB 0
30F BLEED VALVE 452AL UHBRL UHRB 0
30F PRIMING PRESSURIZATION UHBC UHRB 000000000

```


PG0095.JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

```

000000001111111122222222333333334444444455555555666666667777777788
1234567890123456789012345678901234567890123456789012345678901234567890
30F RESERVOIR SUCTION PUMP 453AF UHBCA UHBC A
30F MOTOR RESERVOIR SUCTION 453AP UHBCB UHBC A
30F BOOST PUMP 453AH UHBCG UHBC A
30F COLLING UHBD UHBB 111111111
30F RESTRICTOR 452AE UHBDA UHBD 0
30F FILTER ELEMENT 455AA UHBDD UHBD 1
30F WARNING LOW PRESSURE UHBE UHBC 222222222
30F SW LOW PRESSURE 452AQ UHBEF UHBE A
30F PRESSURIZATION PUMP 1 1< UHBF UHBA K UHBG AAAAAAAAAA
30F PUMP ENGINE DRIVEN 453AA UHBEA UHBE A
30F VALVE CHECK & P/O PUMP 1 1< 452AA UHBEF UHBF 1
30F VALVE CONTROL 452AM UHBFC UHBF A
30F FILTER ELEMENT 455AA UHBEF UHBE 1
30F QUICK DISCONNECT VALVE 452AN UHBFG UHBF 0
30F ROSE-HYD PRESSURE 453AK UHBFH UHBE A
30F PRESSURIZATION PUMP 1 2< UHBG UHBA K UHBE AAAAAAAAAA
30F PUMP ENGINE DRIVEN 453AA UHBGA UHBG A
30F VALVE CHECK & P/O PUMP 1 2< 452AA UHBGB UHBG 1
30F VALVE CONTROL 452AM UHBGC UHBG A
30F FILTER ELEMENT 455AA UHBGE UHBG 1
30F QUICK DISCONNECT VALVE 452AN UHBGG UHBG 0
30F ROSE-HYD PRESSURE 453AK UHBGH UHBG A
30F WARNING LOW PRESSURE UHBH UHBF 111111111
30F SW LOW PRESSURE 452AQ UHBHE UHBH A
30F WARNING LOW PRESSURE UHBH UHBG 111111111
30F SW LOW PRESSURE 452AQ UHBJE UHBH A
30F STEADY STATE SYSTEM DAMPING UHBL UHBA 111111111
30F SYSTEM DAMPING UHBM UHBL 111111111
30F ACCUMULATOR UTILITY 454AA UHBMA UHBM A
30F VALVE AIR FILLER 454AE UHBMB UHBM 0
30F AUX HYD PRES UHC GAGB AAAAAAAAAA
30F AUX HYD PRESS UHC MANJ 111111111
30F AUX HYDRAULICS UHC NAJ K UHB AAAAAAAAAA
30F HYDRAULIC PRESSURE UHC UHC AAAAAAAAAA
30F B-NUT 452AP UHCAC UHCA 0
30F VALVE, GROUND TEST 452AJ UHCAD UHCA 0
30F SUPPLY UHCH UHCA AAAAAAAAAA
30F AUXILIARY RESERVOIR 451FO UHCBA UHCB 1
30F SUPPORT BRACKET 451FA UHCBH UHCB 0
30F SIGHT GAUGE 451FD UHCRC UHCH 0
30F FILTER ELEMENT 451FG UHCBD UHCH 1
30F VALVE DRAIN 2< 452AH UHCBE UHCB 0
30F HOSE DRAIN 453AL UHCBF UHCB 0
30F BLEED VALVE 452AI UHCBJ UHCB 0
30F COLLING UHCD UHCB 111111111
30F ASSY COOLER 997FX UHCDA UHCD A
30F PRESSURIZATION-NORMAL UHCF UHCA UHCG 111111111
30F PUMP ELECTRIC 453AG UHCFA UHCF A
30F VALVE CHECK 452AA UHCFB UHCF 1
30F FILTER ELEMENT 455AA UHCFD UHCF 1

```

PGG 195 JIR1 DATE = 08/17/76

FLIGHT SAFETY PREDICTION TECHNIQUE

000000 111111111122222222233333333334444444445555555556666666667777777778
 1234567890123456789012345678901234567890123456789012345678901234567890

30F RELAY	458AF	UHCFJ	UHCF	A
30F QUICK DISCONNECT VALVE	452AN	UHCFK	UHCF	0
30F BOOST PUMP	453AH	UHCFI	UHCF	A
30F HOSE-HYI PRESSURE	453AK	UHCFM	UHCF	A
30F PRESSURIZATION-MANUAL		UHCG	UHCA	K UHCF AAAAAAAAAA
30F PUMP HAND	453AD	UHCGA	UHCG	A
30F GEAR BOX	453AC	UHCGC	UHCG	2
30F SYSTEM DAMPING		UHCM	UHCF	111111111
30F ACCUMULATOR AUXILLIARY	454AD	UHOMA	UHOM	A
30F VALVE AIR FILLER	454AE	UHOMB	UHOM	0
30F RESTRICTOR	452AF	UHOMC	UHOM	1
30F INFORMATION AND DISPLAY		UHD	UHA	1 UHAA 111111111
30F INDICATOR BOOSTER PRESSURE	456AD	UHD3	UHD	A
30F XMITTER BOOSTER PRESSURE	456AE	UHDC	UHD	A
30F INFORMATION AND DISPLAY		UHE	UHS	1 UHBA 111111111
30F INDICATOR UTILITY PRES	456BA	UHE3	UHE	A
30F XMITTER UTILITY PRESSURE	456BB	UHFC	UHE	A
30F INFORMATION AND DISPLAYS		UHF	UHC	1 UHCA 111111111
30F INDICATOR AUX PRESSURE	456CA	UHER	UHF	A
30F XMITTER AUX PRESSURE	456CB	UHFC	UHF	A

CARD COUNT IS 00004369. CARDS WITH ERRORS 00000004